



ADDENDUM TO IEPA LOG NO. 2004-257

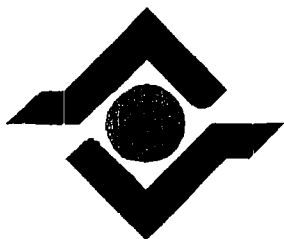
**STATUS REPORT – GROUNDWATER CORRECTIVE ACTION
GROUNDWATER MANAGEMENT ZONE EVALUATION**

NORTH UNIT - WINNEBAGO RECLAMATION SERVICE, INC.

NOVEMBER 2004

Prepared for:

**Winnebago Reclamation Service, Inc.
8403 Lindenwood Road
Rockford, IL 61109**



Prepared by:

**Andrews Environmental Engineering Inc.
3535 Mayflower Boulevard
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ANDREWS ENVIRONMENTAL ENGINEERING INC. 3535 Mayflower Blvd., Springfield, Illinois 62707/(217) 787-2334

December 20, 2004

Mr. Bernard Schorle
U.S. EPA, Region V
77 West Jackson Blvd.
Chicago, Illinois 60604

re: Winnebago Reclamation Service, Inc.
Status Report – Groundwater Corrective Action
Groundwater Management Zone Evaluation (Addendum)

Dear Mr. Schorle:

In accordance with my discussion with Tom Hilbert, provided herein is a copy of the Addendum to the Groundwater Management Zone Evaluation for the North Unit at the subject facility. The report was initially submitted to the Illinois EPA on July 15, 2004 pursuant to Condition No. VIII.22 of Permit No. 1991-138-LFM, Modification No. 24.

If you have any questions or require further information, please contact Tom Hilbert at (815) 381-5646. Thank you.

Sincerely,

Brad J. Hunsberger, LPG
Director of Hydrogeological Services

BJH:bjh:sjb

cc: Tom Hilbert, Waste Group



ANDREWS ENVIRONMENTAL ENGINEERING INC. 3535 Mayflower Blvd., Springfield, Illinois 62707/(217) 787-2334

November 23, 2004

Ms. Joyce Munie, P.E.
Manager, Permit Section
Bureau of Land
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Springfield, Illinois 62703

re: 2018080001 – Winnebago County
Winnebago Reclamation Services
Addendum to IEPA Log No. 2004-257

Dear Ms. Munie:

Submitted herein is an addendum to Illinois EPA Log No. 2004-257 addressing the draft comments defined via facsimile dated October 6, 2004.

If you have any questions please contact Tom Hilbert at (815) 381-5646.

Sincerely,

Brad J. Hunsberger, LPG
Director of Hydrogeological Services

BJH:bjh:sjb

enclosure

cc: Tom Hilbert – Waste Group

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GROUNDWATER MANAGEMENT ZONE EVALUATION**

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ADDENDUM TO IEPA LOG NO. 2004-257

STATUS REPORT – GROUNDWATER CORRECTIVE ACTION GROUNDWATER MANAGEMENT ZONE EVALUATION

1.0 INTRODUCTION

An evaluation of the status of the groundwater corrective actions and existing Groundwater Management Zone (GMZ) was submitted July 15, 2004 pursuant to Condition No. IIX.22 of Permit No. 1991-138-LF, Modification No. 24. Draft comments from the Groundwater Assistance Unit (Illinois EPA) were subsequently issued via facsimile October 6, 2004, specifically referencing three comments. Each of the three comments is presented below in bold text followed by the response.

The graphs presented in the July 2004 submittal have been updated to include the third quarter 2004 data. The graphs for the upper zone, lower zone and bedrock are provided in Appendices A, B and C, respectively. Graphs of concentrations for individual wells are located in Appendix D. The tables presented in the July 2004 application have been updated to include the third quarter 2004 data. These tables are identified as Table 2A and Table 3A.

2.0 COMMENT NO. 1

Wells G34S, G16S, G41S, and G18S are all located on the edge of the Upper GMZ and have exhibited exceedences. The purpose of the corrective action is to contain groundwater contamination; therefore, GMZ wells are placed in areas where contamination should not be present. Exceedences on the GMZ boundary are an indication that the current corrective action procedures are not effective. Additional corrective action measures should be evaluated.

The initial GMZ boundaries identified in 1995 were based on a minimal amount of analytical data. Since that time a significant amount of analyses have been completed allowing for a more comprehensive review of the groundwater quality within the GMZ. Each well referenced in Comment No. 1 is discussed separately below.

2.1 G16S

Monitor well G16S has not been sampled and tested routinely since year 2000. It was determined that the depth of the well was too shallow (13 feet) to effectively monitor the sand and gravel deposit. Due to the high hydraulic conductivity of the deposit, surface water infiltration affecting the groundwater quality was a concern. Therefore, the deeper well (G16M) is more appropriate to evaluate the groundwater west of the unit. The G16 series wells are located immediately north of the wetland mitigation area. Dependent upon the pool elevation, the wetland area can significantly impact the groundwater quality and flow characteristics.

As stated in Section 4.2.1 of the July 2004 application, Well G16M was inadvertently identified as G16S in the facility permit. The designation for G16S was corrected in a December 2000 permit application identified as Illinois EPA Log No. 2000-467.

Monitor well G16S has not been part of the GMZ evaluation for the reasons discussed above and shall be removed from the list of GMZ wells.

2.2 G18S

As discussed in Section 4.2.1.2 (July 2004), well G18S was reported as damaged in late 1999 or early 2000. The well was subsequently replaced during the second quarter of 2002. In addition to the damaged well, a valve on the leachate force main located directly northwest of the NRG (Energy Recovery Plant) began leaking leachate onto the ground. This occurred over a period of approximately one week in late 1999; the exact volume of the leak was not known. Monitor well G18S is located almost directly downgradient of the force main; therefore the increased concentrations that occurred during the second quarter 2002 are believed associated with the valve leak.

The graph illustrating the GMZ parameter concentrations for G18S is contained in Appendix A. As shown, all concentrations except dissolved barium have decreased significantly since the second quarter 2000. Barium concentrations are sensitive to oxygen reducing conditions created by the parameters introduced via the force main leak. As illustrated in the graphs, most of the concentrations for the GMZ parameters have decreased to levels below those recorded in 1999. Specific parameters detected in G18S are discussed below.

Chloride, Dissolved

Dissolved chloride concentrations peaked during the second quarter of 2000 at 750 mg/l. The concentrations have significantly decreased since that time to a current concentration (third quarter 2004) of 15 mg/l, well below the AGQS of 87.51 mg/l. The rate of the increase and subsequent decrease in concentrations coincides with the failure of the force main valve.

Chloride, Total

Total chloride concentrations generally mimicked the dissolved concentrations with a maximum value (610 mg/l) occurring the second quarter 2000. The concentrations significantly decreased and stabilized near the current concentration (third quarter 2004) of 35 mg/l. The current concentration is now consistent with historical values dating back to the third quarter 1988 (33 mg/l) and below the AGQS of 87.51 mg/l. Historical data for the specific wells was provided in Table 4 of the July 2004 application.

Boron, Dissolved

In addition to chloride, dissolved boron has significantly decreased from a peak of 1,800 ug/l (second quarter 2000) to a current concentration of 98 ug/l. The second (70 ug/l) and third quarter (98 ug/l) 2004 concentrations are at the lowest levels since the fourth quarter 1996 (non-detect). The concentrations for the last three quarters have been at or below the AGQS of 98 ug/l.

Ammonia, Dissolved

Dissolved ammonia concentrations peaked during the second quarter 2000 with a value of 170 mg/l, and consistently decreased to a concentration of 0.16 mg/l during the third quarter 2004. The recent concentrations have been below the AGQS of 0.9 mg/l.

Arsenic, Total

Recent sampling and analyses have shown concentrations from three parameters exceeded the applicable standards; total arsenic, total nitrate and total potassium. Total arsenic concentrations have increased at G18S from 7.7 ug/l (second quarter 1999) to 130 ug/l (second quarter 2004). Based on the evaluations of the parameter concentrations at G18S and in adjacent wells, the arsenic concentrations may not be

anthropogenic in nature but the result of natural site geochemistry and reducing conditions in the groundwater. A detailed discussion is presented in Section 6.0 below.

Nitrate, Total

Total nitrate concentrations have historically been below the AGQS of 11.74 mg/l. An exceedence was noted for the second quarter 1998 (14.1 mg/l). Subsequent sampling showed concentrations decreased below the standard until the second quarters of 2003 (27 mg/l) and 2004 (13 mg/l). No increasing trends were noted. The facility is located within an agricultural setting where groundwater concentrations can be affected by fertilizer applications and precipitation. Killbuck Creek provides surface drainage for the immediate area, receiving farm field runoff during precipitation events. The lack of increasing trends by other indicator parameter concentrations suggests the nitrate levels are not attributable to the waste unit or the leachate force main.

Potassium, Total

Total potassium concentrations have exceeded the applicable standard for the last four sampling events, ranging from 34 mg/l (second quarter 2002) to 74 mg/l (second quarter 2004). The concentrations have fluctuated within that range with no apparent trends. Potassium, similar to nitrogen based compounds, is a key component in agricultural fertilizers. Similar to nitrate discussed above, Killbuck Creek provides surface drainage for the immediate area, easily affected during precipitation events. Therefore, the recent exceedences are not attributable to the waste unit or leachate force main.

The analytical data for well R18S indicate current concentrations are largely below the applicable standards. The initial increases in concentration during the second quarter 2000 were likely the result of the leak at the leachate force main. The evaluation of constituents at R18S indicates the permitted remediation efforts are working.

2.3 G34S

Monitor well G34S is located west of Killbuck Creek and north of the wetland mitigation area depicted on the potentiometric surface map identified as Sheet No. PS-1 (Appendix E). Dependent upon the creek elevation, the groundwater quality can be significantly affected by surface water infiltration through the permeable sand and gravel outwash deposits in the creek bottom and wetland mitigation area.

Well G34S was sampled once for a limited number of parameters to derive the GMZ boundaries in March, 1995. A more comprehensive set of data has been obtained for further analyses. Based on this data, well G34S was included within the GMZ boundary as shown in Figure 7 of the July application. Currently, concentrations for only two GMZ parameters exceed the applicable standard; dissolved ammonia with a concentration of 20 mg/l (third quarter 2004) and dissolved boron with a concentration of 120 ug/l (third quarter 2004). The AGQs for dissolved ammonia and dissolved boron are 0.9 mg/l and 98 ug/l, respectively.

2.4 G41S

As stated in the July 2004 submittal, well G41S is located approximately 285 feet downgradient from the northwest corner of the North Unit. The groundwater samples from G41S are indicative of the groundwater quality directly adjacent to the waste unit. Since the approval of the GMZ in 1997 (HIS GeoTrans), the concentrations from eight parameters have displayed a significant decrease. The apparent decreases are summarized in the following table, comparing the maximum and most recent concentrations.

Parameter	Units	Conc.	Sample Event	Conc.	Sample Event
Ammonia, dissolved	mg/l	215	1Q97	87	3Q04
Barium, total	ug/l	500	2Q97	200	2Q04
Boron, dissolved	ug/l	960	1Q97	500	3Q04
Boron, total	ug/l	960	2Q97	400	2Q04
Chloride, dissolved	mg/l	431	1Q97	150	3Q04
Chloride, total	mg/l	332	2Q97	95	2Q04
Potassium, total	mg/l	84	2Q97	26	2Q04
Sodium, total	mg/l	190	2Q97	51	2Q04

This clearly shows that the closure of the North Unit has lead to significant reduction in concentrations of parameters associated with the GMZ and current remediation.

The GMZ boundaries as depicted in 1995 by HIS GeoTrans were based on data obtained while the North Unit was active and four years prior to initial closure activities. Closure activities continued from 1999 to July 2001 when the final cover placement was completed. Additional leachate and gas extractions modifications were completed in 2002. The remediation program (natural attenuation) approved as part of the Record of

Decision (ROD) in 1999 was evaluated with the Groundwater Impact Assessment (GIA) completed in the 1995-1997 Illinois EPA application/addendums. The findings of the GIA stated natural attenuation as a remediation will result in the restoration of groundwater quality to background concentrations within an estimated five to ten years after completion of the closure activities of the North Unit. Post-closure has been ongoing for only two and a half years. The remedial measures do appear to be effective and are significantly reducing the concentrations of many of the GMZ parameters.

3.0 COMMENT NO. 2

Well G37S is identified as an Upper GMZ monitoring point although it is not included within the GMZ limit outlined on the 1995 Upper Zone map. It is unclear whether well G37S is within the GMZ boundary or not. The current GMZ should be reevaluated and extended so that the limit includes wells that do not exceed the parameter AGQS standard.

Well G37S is located approximately 1,060 feet northwest of the North Unit directly adjacent to Killbuck Creek. Given the geologic characteristics of the area (coarse sand and gravel), surface water constituents can easily affect the concentrations within the shallow groundwater. No concentrations were detected exceeding the applicable standard during the third quarter 2004 sampling event. The dissolved chloride concentration had decreased from 120 mg/l (second quarter 2004) to 72 mg/l (third quarter 2004), below the standard of 87.51 mg/l. Based on quarterly data, dissolved chloride concentrations from G37S have only exceeded the standard twice since first quarter 1997.

As discussed in Section 2.4 above, the GMZ boundaries as depicted in 1995 were based on only one set of data (March 1995) obtained while the North Unit was active and four years prior to initial closure activities. Closure activities continued from 1999 to July 2001 when the final cover placement was completed. The current data discussed within this application is considerably more comprehensive than what was available in 1995. Based on the lack of exceedences in G37S, this well should not be included in the Upper GMZ.

4.0 COMMENT NO. 3

There are exceedences in the bedrock aquifer in several wells. Wells G41D, G09D, G16D, G20D, G09M, G13D, and G14D have all experienced exceeding parameters. These parameters include: 1,4-Dichlorobenzene, arsenic, boron, iron and sulfate. A proposal should be made to include the bedrock aquifer.

Monitor wells G09D, G09M and G20D are located upgradient of the waste unit. Well G14D is located sidegradient to the North Unit and will be removed as part of the expansion between the North and South Units. Wells G16D and G41D are located downgradient to the waste Unit. Each of the parameters listed in Comment No. 3 are discussed individually below.

1,4-Dichlorobenzene

The detection of 1,4-dichlorobenzene above the AGQS of 5 ug/l occurs only in upgradient well G09D and sidegradient well G14D. The concentrations in well G14D have decreased from a high of 37 ug/l (second quarter 1998) to a low of 11 ug/l (second quarter 2004). A decreasing trend is apparent in G14D. The concentration in well G09D has decreased from a high of 11 ug/l (2003) to 7 ug/l (2004). Typically, 1,4-dichlorobenzene has been below the AGQS (1997-2002) in well G09D. No trends are apparent.

Arsenic

There are currently no exceedences for total arsenic in any bedrock well. Only one well exhibited exceedences for dissolved arsenic; G14D. Those concentrations have decreased from a high of 110 ug/l (third quarter 1999) to a current concentration of 7.3 ug/l (third quarter 2004). A significant decreasing trend is apparent for dissolved arsenic in G14D as illustrated in Appendix C. Monitor well G14D is located between the North and South Units and will be removed when liner construction begins in 2005.

Boron

No exceedences have occurred for total boron in any of the referenced wells since the approval of the initial GMZ. No dissolved concentrations have exceeded the AGQS (98 ug/l) since the fourth quarter 2003, with decreasing trends notable for wells G13D and

G14D. Boron concentrations (dissolved and total) are currently below the respective standards for all bedrock monitor wells at the facility.

Iron

Iron concentrations (dissolved and total) for upgradient wells G09M and G20D, and downgradient well G16D have never exceeded the permitted standards. No total concentrations have exceeded the permitted standard of 446,696 ug/l for any bedrock well. Only one dissolved exceedence of the standard (4,530 ug/l) was noted for well G09D with a dissolved concentration of 4,800 ug/l during the fourth quarter 2001, and only one exceedence occurred for well G13D with a concentration of 11,000 ug/l during the first quarter 1998. Dissolved iron concentrations at well G14D have historically exceeded the applicable standard predating the permitting of the GMZ in 1997. Concentrations as far back as November 1994 (5,600 ug/l) exceeded the standard (see Table 4, July 2004 application). Well G14D is located between the North and South Units and will be removed as construction activities progress. Based on the groundwater movement as previously established, constituents in the groundwater near G14D shall be monitored by a series of existing downgradient wells along the west and northwest areas of the North Unit.

Sulfate

Only one exceedence of the AGQS for total sulfate (179.37 mg/l) has occurred since the approval of the GMZ. This occurred in well G13S during the second quarter 2002 sampling event, exhibiting a concentration of 190 mg/l. A decreasing trend followed to a current concentration of 84 mg/l, well below the AGQS. A decreasing trend is also noted for well G13D over the same referenced period, from a high of 110 mg/l to a current level of 24 mg/l. A graph illustrating the concentrations is provided in Appendix C.

The most recent sampling event (third quarter 2004) resulted with only one exceedence of the AGQS (48.45 mg/l) for dissolved sulfate. This occurred at monitor well G13S with a concentration of 70 mg/l. Concentrations from this well have decreased from a high of 190 mg/l during the second quarter 2002 (same as total sulfate) to the current level of 70 mg/l. Based on the screen interval for G13S and the physical location of the well, the sulfate concentrations do not appear to be related to the North Unit. Wells G13S and G13D are located south of the northeast corner of the South Unit. Wells G09D, G09M

and G41D are all located closer to the waste boundary than G13S and G13D, generally downgradient to G13S.

Upgradient wells G09M, G09D, G13D and sidegradient well G14D are screened in the dolomite due to the shallow nature of the bedrock. As stated in the July 2004 submittal, the bedrock is eroded to the west towards Killbuck Creek and therefore present at lower elevations. Subsequently, the sand and gravel deposits are thicker to the west. This is illustrated in Figure 3 (east-west geologic cross section) of the July 2004 application. The piezometric surface is present within the dolomite generally in the east half of the site, and in the sand and gravel deposits in the west half of the site. The screen intervals for bedrock wells G09M, G09D, G13D and G14D are comparable to the downgradient wells screened in the sand and gravel deposits. Groundwater movement is typically west/northwest beneath the waste unit. Therefore, any contaminants present within the upgradient bedrock wells will be monitored by wells screened in the sand and gravel deposits downgradient to the North Unit. No exceedences were reported in downgradient bedrock wells G16D and G41D for any of the referenced parameters, further indicating the GMZ should be restricted to the unconsolidated deposits.

5.0 MAPCs

The approved GIA has been reviewed with respect to the current permitted Maximum Allowable Predicted Concentrations (MAPCs). The GIA accounted for the site's hydrogeologic characteristics for migration pathways and contaminant transport. Since the facility overlies sand and gravel deposits and fractured dolomite, the attenuative properties of the deposits are limited for short durations of time. In addition, the MAPCs are only applicable to wells within the zone of attenuation for non-GMZ parameters. Therefore, there is no discernable advantage for the use of MAPCs immediately downgradient to the North Unit. For these reasons, the MAPCs shall be equivalent to the AGQSS currently permitted. It is proposed that Attachment I to the current permit be removed.

6.0 SITE ARSENIC CONCENTRATIONS

Arsenic concentrations have typically been detected in shallow wells immediately downgradient to the North Unit (R03S, G41S and R42S). The dissolved concentrations

are also generally lower than the total concentrations. Arsenic has also been detected sporadically in wells that are not downgradient to the North Unit, including upgradient wells and wells in excess of 4,400 feet away (MW-16S-04). As discussed in the July 2004 application, several piezometers/wells have been installed north and west of the facility for development purposes. These piezometer/well locations are shown on Sheet No. WLM-04, provided in Appendix D of the July application as wells as in Drawing Nos. PS-1 and AS-1 of this addendum. Three sampling events were completed on select wells that provide representative groundwater quality within the study area. The laboratory analyses were provided in Table 5 of the July application.

Arsenic concentrations (total and dissolved) from the second quarter 2004 (April) annual sampling event for both the North and South Units have been combined with the April 2004 analyses of the additional piezometer/wells and are provided in Table 4A. As shown, the total concentrations are much more prevalent than the dissolved concentrations. The distribution of the occurrence is relatively widespread, from upgradient wells (G13S, G20D, R22S, G22D), wells located southwest of the South Unit (G23D and G29D), and wells at considerable distance from the North Unit MW-12-03, MW-16-04, MW-24-04, MW-4S-03, MW-5S-03 and MW-7S-03. Based on the groundwater flow direction as depicted in Sheet No. PS-1 (Appendix D), none of these referenced wells is located downgradient to the North Unit. The potentiometric surface map was configured utilizing data from the second quarter 2004 sampling event, including groundwater elevations from the wells north and west of the current units. The contours indicate the overall lateral flow direction is northwest. The contours of areas west of the facility portray a northerly flow direction. A westerly flow direction is indicated for the area north of the North Unit. The contours generally converge in the vicinity of G37S/G37D near the bend in Killbuck Creek.

The arsenic concentrations detected during the second quarter 2004 sampling event have been listed in Sheet No. AS-1 (Appendix F), including the additional wells that were sampled for analytical purposes. Iso-concentrations were not drawn on this map since there does not appear to be correlation of the concentrations outside the GMZ. Therefore, in addition to any impacts the North Unit may have on the concentrations directly downgradient to the waste unit, arsenic appears to be part of the natural geochemistry of the area groundwater.

The arsenic concentrations detected at various wells around the facility are likely from both anthropogenic and natural sources. The concentrations detected in wells clearly upgradient and/or at a considerable distance from the North Unit are believed indicative of natural conditions, or as affected by sources other than the landfill. Elevated concentrations detected in wells adjacent to the waste unit may be the result of mobilization due to reducing conditions beneath unit.

Arsenic can be mobilized under both oxic and anoxic conditions. Arsenic is typically released from sulfides by oxidation and from iron oxides in reducing conditions (Thomas, M.A., 2003). A common source of arsenic in midwestern groundwater is iron/manganese oxyhydroxides. Iron/manganese oxyhydroxides can be disseminated throughout an aquifer or concentrated within specific deposits. This can lead to significant concentration spatial variability. A likely source of iron and manganese ions within the immediate vicinity of the facility include illite and dolomite. The dolomite composition cannot only contain iron rich clay deposits, but calcium carbonate with varying percentages of iron, manganese and magnesium. Under reducing conditions with iron oxides present, elevated arsenic concentrations can also be characterized by elevated zones of ammonia, barium, iron, manganese and total organic carbon. Other parameters may reflect a direct relationship with arsenic concentrations that are dependent upon the source. Inverse relationships under reducing conditions where iron is the dominating factor include pH, dissolved oxygen, chloride, nitrate and sulfate (White, C.A. and Sevee, J.E.). The mobilization of arsenic depends on many factors, including pH, dissolved arsenic concentration, type of mineral substrate, and presence of competing species. Dependent upon the chemical reaction, the arsenic concentrations may be controlled by rates of dissolution and precipitation of iron and sulfide phases and their solubilities, and by competing pH dependent adsorption reactions (O'Day, P.A. and others, 2004). If agricultural runoff has access to the aquifer system, competition for adsorption occurs among arsenic and other species, such as phosphates and silica, and would restrict adsorption and enhance increased dissolved arsenic concentrations. The landfill facility is located within a highly agricultural area with Killbuck Creek being a tributary to farmland drainage. This may also be a reason why concentrations of arsenic are elevated near and generally downgradient to the creek.

GMZ wells that reflect reducing conditions include upper zone wells G18S and R42S, and lower zone wells G38S and G41M. Well G18S has shown elevated concentrations of total arsenic, barium, and iron, and dissolved manganese. Well R42S has shown elevated concentrations of total and dissolved arsenic and iron, and total barium. Well G38S has shown elevated concentrations of dissolved arsenic and iron, dissolved and total manganese, and total barium. Well G41M has shown elevated concentrations of total and dissolved arsenic, and dissolved iron and manganese. It must be emphasized that most of the referenced parameters did not exceed the applicable standards, but when evaluated as a group of parameters, did indicate reducing conditions exist at those locations.

7.0 CONCLUSIONS

The initial GMZ boundaries contained in the 1995 application by GeoTrans were based largely on a one-time sampling event, which occurred in March 1995. The GMZ boundaries present in the July 2004 application were based on approximately seven years of data. Although the boundaries are similar, the 2004 perimeter was extended to encapsulate a small number of wells that were not included within the initial GMZ. This does not suggest the remediation program is not effective. When comparing the differences between the 1995 and 2004 GMZ boundaries, the operational status of the North Unit must be considered. In 1995, the North Unit was fully operational with no closed areas. Six additional years of waste disposal occurred prior to the completion of the closure activities. Final cover placement began in 1999 and was completed in July 2001. Additional closure activities were completed in 2002 with the revision of the leachate/gas extraction system. The GIA (1995), which evaluated the natural attenuation/degradation remediation method, assumed steady-state conditions after completion of the closure activities and estimated five to ten years for cleanup to achieve background conditions. As discussed above, the large majority of GMZ parameter concentrations have substantially decreased, many to levels below currently permitted AGQSS.

The following bullet items summarize proposed changes to the monitoring program to aid in future evaluations of the GMZ:

1. Well G16S shall be removed from the GMZ list of wells.
2. A well north and west of G15S will be added to the GMZ monitoring program. It is proposed to use existing well MW-8S-03. This well location is shown in Sheet No. WLM-04 provided in Appendix D of the July 2004 application.
3. A well north and west of G37S will be added to the GMZ monitoring program. It is proposed to use existing well MW-3S-03. This well location is shown in Sheet No. WLM-04 provided in Appendix D of the July 2004 application.

GMZ Monitoring

The wells identified in Table 1A as GMZ wells (not included in the North Unit monitor well network) will be sampled and tested for all inorganic parameters identified in Table 1A on a quarterly basis. During the second quarter of each year, each of the GMZ wells will be sampled and tested for the organic parameters listed in Table 1A in addition to the inorganic parameters. Wells contained in the North Unit monitor well network (depicted in bold) shall be monitored for the G1 and G2 List parameters pursuant to the permitted schedule, including any additional inorganic parameters identified in Table 1A.

Based on the significant concentration decreases identified since the GMZ was permitted, the approved remediation method appears to be effective. No modifications to the remedial method are warranted or proposed.

REFERENCES

- Thomas, Mary Ann. *Arsenic in Midwestern Glacial Deposits—Occurrence and relation to selected Hydrogeologic and Geochemical Factors*. Water-Resources Investigations Report 03-4228. U.S. Department of the Interior and U.S. Geological Survey. 2003.
- O'Day, Peggy A., et. al. *The Influence of Sulfur and Iron on Dissolved Arsenic Concentrations in the Shallow Subsurface Under Changing Redox Conditions*. National Academy of Sciences. 2004.

Tables

Table 1A
Winnebago Reclamation Service, Inc.
GMZ Sampling Points and Parameters

North Unit GMZ Wells		North Unit GMZ Parameters
G03M**	G34S*	1,2,3-Trichlorobenzene
G09D***	G35D**	1,2,4-Trichlorobenzene
G09M***	G35S*	1,4-Dichlorobenzene
G119*	G36S**	Ethylbenzene
G130*	G37D**	Tetrahydrofuran
G13D***	G37S*	Ammonia as N, dissolved
G13S***	G38S**	Ammonia as N, total
G14D***	G39S**	Arsenic, Dissolved
G15S*	G40S*	Arsenic, total
G16D***	G41D***	Barium, total
G16M**	G41M**	Boron, Dissolved
G17S*	G41S*	Boron, total
G18D**	R03S*	Chloride, Dissolved
G18S*	R42S*	Chloride, total
G20D***	SG1+	Fluoride, total
G33D**	SG3+	Nitrate as N, dissolved
G33S*	SG4+	Nitrate as N, total
G34D**	MW-3S-03*	Potassium, total
	MW-8S-03*	Sodium, total

Bold - Permitted North Unit Monitoring Well

- + Surface water collection point
- * Screened within the Upper Zone
- ** Screened within the Lower Zone
- *** Screened within the Bedrock

Note: Organic parameters are tested annually

Table 2A

Winnebago Reclamation Service, Inc.
North Unit Exceedence Table

Well	Parameter	Units	GMZ Parameter	Well Location	AGQS	3rdQtr03	4thQtr03	1stQtr04	2ndQtr04	2ndQtr04re	3rdQtr04	3rdQtr04re
G03M	Ammonia as N, dissolved	mg/l	GMZ	Downgradient	0.9	7.3	4.6	3.2	10		2.5	
G03M	Boron, Dissolved	ug/l	GMZ	Downgradient	98	75	79	69	120		54	
G03M	Carbon disulfide	ug/l		Downgradient	5				6	< 1		
G09D	1,4-Dichlorobenzene	ug/l	GMZ	Upgradient	5				7	3		
G09D	Acetone	ug/l		Upgradient	10				17	< 10		
G09M	Ammonia as N, dissolved	mg/l	GMZ	Upgradient	0.9	0.58	3.5	3.5	0.48		1.2	2.9
G09M	Biochemical Oxygen Demand	mg/l		Upgradient	4.04				11			
G09M	Chloride, Dissolved	mg/l	GMZ	Upgradient	87.511	200	190	190	220	250	250	
G09M	Chloride, total	mg/l	GMZ	Upgradient	87.51186				220	220		
G09M	Iron, Dissolved	ug/l		Upgradient	4530	2600	3300	600	2800		7200	2600
G09M	Total Dissolved Solids, filtered	mg/l		Upgradient	1755.8	1100	1000	890	1000		2500	1100
G119	Nitrate as N, dissolved	mg/l	GMZ	Downgradient	11.74	15	13	12	14		H 35	
G119	Nitrate as N, total	mg/l	GMZ	Downgradient	11.7389				14			
G130	Biochemical Oxygen Demand	mg/l		Downgradient	4.04				4.4			
G130	Nitrate as N, dissolved	mg/l	GMZ	Downgradient	11.74	12	12	11	H 10		11	
G13D	Biochemical Oxygen Demand	mg/l		Upgradient	4.04	< 3	11	< 4	< 4		8.3	
G13D	Carbon disulfide	ug/l		Upgradient	5	< 1	16	< 1	< 1		1	
G13D	Chloride, Dissolved	mg/l	GMZ	Upgradient	87.511	70	68	59	86		93	100
G13D	cis-1,2-Dichloroethene	ug/l		Upgradient	5	54	42	20	19	9	38	
G13D	Methylene Chloride	ug/l		Upgradient	8	< 5	< 5	10	< 5		< 5	
G13S	Arsenic, Dissolved	ug/l	GMZ	Upgradient	2	3	2	1.6	1.8		1.3	
G13S	Boron, Dissolved	ug/l	GMZ	Upgradient	98	110	130	88	100	100	82	
G13S	Iron, Dissolved	ug/l		Upgradient	4530	4000	5700	480	1600		510	
G13S	pH (field)	units		Upgradient	8.1 5.4	6.42	6.82	6.79	6.76	5.26	6.4	6.27
G13S	Selenium, total	ug/l		Upgradient	4	1.1	1.5	5	1.8		4.8	
G13S	Sulfate, Dissolved	mg/l		Upgradient	48.448	100	100	61	77		76	
G14D	1,4-Dichlorobenzene	ug/l	GMZ	Downgradient	5				11	12		
G14D	Ammonia as N, dissolved	mg/l	GMZ	Downgradient	0.9	0.92	0.99	0.69	0.28		1.2	1.7
G14D	Arsenic, Dissolved	ug/l	GMZ	Downgradient	2	11	6.1	3.9	20	3.9	7.3	
G14D	Boron, Dissolved	ug/l	GMZ	Downgradient	98	84	110	90	98		91	
G14D	Chlorobenzene	ug/l		Downgradient	5				6	9		
G14D	Iron, Dissolved	ug/l		Downgradient	4530	10000	17000	13000	12000	33000	27000	38000
G14D	Total Dissolved Solids, filtered	mg/l		Downgradient	1755.8	960	930	940	820		2200	1100
G15S	1,4-Dichlorobenzene	ug/l	GMZ	Downgradient	5				8			
G15S	Ammonia as N, dissolved	mg/l	GMZ	Downgradient	0.9	280	280	260	180		132	
G15S	Arsenic, Dissolved	ug/l	GMZ	Downgradient	2	4.4	4.7	6.2	4.9		1.7	
G15S	Biochemical Oxygen Demand	mg/l		Downgradient	4.04				7	9		
G15S	Boron, Dissolved	ug/l	GMZ	Downgradient	98	970	1500	980	780		480	
G15S	Boron, total	ug/l	GMZ	Downgradient	200				810			
G15S	Chemical Oxygen Demand	mg/l		Downgradient	50.04				120	74		
G15S	Chloride, Dissolved	mg/l	GMZ	Downgradient	87.511	690	760	660	510		280	

Table 2A

Winnebago Reclamation Service, Inc.
North Unit Exceedence Table

Well	Parameter	Units	GMZ Parameter	Well Location	AGQS	3rdQtr03	4thQtr03	1stQtr04	2ndQtr04	2ndQtr04re	3rdQtr04	3rdQtr04re
G15S	Chloride, total	mg/l	GMZ	Downgradient	87.51186				480			
G15S	Chloroethane	ug/l		Downgradient	10				12	2		
G15S	Iron, Dissolved	ug/l		Downgradient	4530	3400	5100	3600	2600		590	
G15S	Potassium, total	mg/l	GMZ	Downgradient	29.00582				83			
G15S	Selenium, total	ug/l		Downgradient	4				9.6	3.7		
G15S	Sodium, total	mg/l	GMZ	Downgradient	164.7897				240			
G15S	Tetrahydrofuran	ug/l	GMZ	Downgradient	42				56			
G15S	Total Dissolved Solids, filtered	mg/l		Downgradient	1755.8	1800	2000	1600	1200		830	
G16M	Ammonia as N, dissolved	mg/l	GMZ	Downgradient	0.9	22	30	28	19		12	
G16M	Boron, Dissolved	ug/l	GMZ	Downgradient	98	160	190	120	87		74	
G17S	Sulfate, Dissolved	mg/l		Downgradient	48.448	40	28	74	35		55	74
G18S	Aluminum, total	ug/l		Downgradient	66602.6				240000	14000		
G18S	Ammonia as N, dissolved	mg/l	GMZ	Downgradient	0.9	0.16	4.9	< 0.05	< 0.05		< 0.09	
G18S	Arsenic, total	ug/l	GMZ	Downgradient	10				130			
G18S	Beryllium, total	ug/l		Downgradient	5				11	< 1		
G18S	Boron, Dissolved	ug/l	GMZ	Downgradient	98	160	240	96	70		98	
G18S	Boron, total	ug/l	GMZ	Downgradient	200				260			
G18S	Cobalt, total	ug/l		Downgradient	50				220	13		
G18S	Iron, Dissolved	ug/l		Downgradient	4530	4600	1600	< 10	130		< 10	
G18S	Magnesium, total	mg/l		Downgradient	109.5				770	74		
G18S	Manganese, total	ug/l		Downgradient	12381.45				17000	1800		
G18S	Mercury, total	ug/l		Downgradient	0.4				0.54	< 0.2		
G18S	Nitrate as N, dissolved	mg/l	GMZ	Downgradient	11.74	3	< 0.2	H 6	13		0.44	
G18S	Nitrate as N, total	mg/l	GMZ	Downgradient	11.7389				13			
G18S	Potassium, total	mg/l	GMZ	Downgradient	29.00582				74			
G18S	Selenium, total	ug/l		Downgradient	4				12	1.4		
G18S	Sulfate, Dissolved	mg/l		Downgradient	48.448	79	53	97	120	110	110	78
G18S	Vanadium, total	ug/l		Downgradient	100				520	35		
G20D	cis-1,2-Dichloroethene	ug/l		Upgradient	5				16	10		
G33D	Arsenic, total	ug/l	GMZ	Downgradient	10				21	5.6		
G34D	Chloride, Dissolved	mg/l	GMZ	Downgradient	87.511	33	26	23	29		93	92
G34S	Ammonia as N, dissolved	mg/l	GMZ	Downgradient	0.9	4.4	9.9	24	21		20	
G34S	Boron, Dissolved	ug/l	GMZ	Downgradient	98	150	160	100	120		120	
G35D	Ammonia as N, dissolved	mg/l	GMZ	Downgradient	0.9	80	13	6.3	5.4		31	
G35D	Arsenic, Dissolved	ug/l	GMZ	Downgradient	2	3.1	2.6	< 1	< 1		2.1	
G35D	Boron, Dissolved	ug/l	GMZ	Downgradient	98	500	110	35	50		290	
G35D	Chloride, Dissolved	mg/l	GMZ	Downgradient	87.511	200	40	38	40		250	
G35S	Ammonia as N, dissolved	mg/l	GMZ	Downgradient	0.9	52	61	6.7	43		40	
G35S	Boron, Dissolved	ug/l	GMZ	Downgradient	98	290	320	220	220		200	
G36S	Nitrate as N, dissolved	mg/l	GMZ	Downgradient	11.74	12	12	12	11		11	
G36S	Nitrate as N, total	mg/l	GMZ	Downgradient	11.7389				12	12		

Table 2A

Winnebago Reclamation Service, Inc.
North Unit Exceedence Table

Well	Parameter	Units	GMZ Parameter	Well Location	AGQS	3rdQtr03	4thQtr03	1stQtr04	2ndQtr04	2ndQtr04re	3rdQtr04	3rdQtr04re
G37S	Chloride, Dissolved	mg/l	GMZ	Downgradient	87.511	88	86	100	120	82	72	
G37S	Chloride, total	mg/l	GMZ	Downgradient	87.51186				120	85		
G38S	Ammonia as N, dissolved	mg/l	GMZ	Downgradient	0.9	30	44	38	58		66	
G38S	Arsenic, Dissolved	ug/l	GMZ	Downgradient	2	1.9	1.8	1.6	3.4		4.2	
G38S	Boron, Dissolved	ug/l	GMZ	Downgradient	98	180	280	150	270		400	
G38S	Boron, total	ug/l	GMZ	Downgradient	200				260			
G38S	Chemical Oxygen Demand	mg/l		Downgradient	50.04				60	47		
G38S	Chloride, Dissolved	mg/l	GMZ	Downgradient	87.511	300	280	180	310		490	
G38S	Chloride, total	mg/l	GMZ	Downgradient	87.51186				310			
G38S	Selenium, total	ug/l		Downgradient	4				4.6	4.4		
G39S	Ammonia as N, dissolved	mg/l	GMZ	Downgradient	0.9	8.4	7.4	6.7	5.8		8.4	
G39S	Boron, Dissolved	ug/l	GMZ	Downgradient	98	150	160	110	110		130	
G39S	Carbon disulfide	ug/l		Downgradient	5				8	< 1		
G39S	Chloride, Dissolved	mg/l	GMZ	Downgradient	87.511	100	98	96	48		100	
G40S	Ammonia as N, dissolved	mg/l	GMZ	Downgradient	0.9	19	23	24	24		22	
G40S	Boron, Dissolved	ug/l	GMZ	Downgradient	98	140	200	130	170		130	
G40S	Chloride, Dissolved	mg/l	GMZ	Downgradient	87.511	120	150	150	170		110	
G40S	Chloride, total	mg/l	GMZ	Downgradient	87.51186				170			
G40S	Specific Conductance (field)	umhos		Downgradient	2386.55	1128	7000	1375	1265		1110	
G41M	Ammonia as N, dissolved	mg/l	GMZ	Downgradient	0.9	36	1.2	0.31	0.15		36	
G41M	Arsenic, Dissolved	ug/l	GMZ	Downgradient	2	15	2.4	1.9	5.5		12	
G41M	Arsenic, total	ug/l	GMZ	Downgradient	10				32			
G41M	Boron, Dissolved	ug/l	GMZ	Downgradient	98	300	56	17	25		360	
G41M	Chloride, Dissolved	mg/l	GMZ	Downgradient	87.511	160	44	40	35		260	
G41M	Iron, Dissolved	ug/l		Downgradient	4530	6100	58	350	3600		3300	
G41S	Ammonia as N, dissolved	mg/l	GMZ	Downgradient	0.9	120	86	93	76		87	
G41S	Arsenic, Dissolved	ug/l	GMZ	Downgradient	2	28	28	30	31		32	
G41S	Arsenic, total	ug/l	GMZ	Downgradient	10				30			
G41S	Boron, Dissolved	ug/l	GMZ	Downgradient	98	620	530	400	380		500	
G41S	Boron, total	ug/l	GMZ	Downgradient	200				400			
G41S	Carbon disulfide	ug/l		Downgradient	5				6	< 1		
G41S	Chloride, Dissolved	mg/l	GMZ	Downgradient	87.511	140	94	96	99		150	
G41S	Chloride, total	mg/l	GMZ	Downgradient	87.51186				95			
G41S	Potassium, total	mg/l	GMZ	Downgradient	29.00582				46			
R03S	Ammonia as N, dissolved	mg/l	GMZ	Downgradient	0.9	58	88	41	13.8		34	
R03S	Arsenic, Dissolved	ug/l	GMZ	Downgradient	2	12	12	14	16		15	
R03S	Arsenic, total	ug/l	GMZ	Downgradient	10				13			
R03S	Boron, Dissolved	ug/l	GMZ	Downgradient	98	310	280	230	180		250	
R03S	Chemical Oxygen Demand	mg/l		Downgradient	50.04				98	38		
R03S	Chloride, Dissolved	mg/l	GMZ	Downgradient	87.511	85	73	72	83		120	
R03S	Iron, Dissolved	ug/l		Downgradient	4530	4400	5900	6700	8700	10000	8500	7500

Table 2A
Winnebago Reclamation Service, Inc.
North Unit Exceedence Table

Well	Parameter	Units	GMZ Parameter	Well Location	AGQS	3rdQtr03	4thQtr03	1stQtr04	2ndQtr04	2ndQtr04re	3rdQtr04	3rdQtr04re
R42S	Ammonia as N, dissolved	mg/l	GMZ	Downgradient	0.9	1.1	0.77	0.58	1.9		2.2	
R42S	Arsenic, Dissolved	ug/l	GMZ	Downgradient	2	27	12	21	42		58	
R42S	Arsenic, total	ug/l	GMZ	Downgradient	10				43			
R42S	Chloride, Dissolved	mg/l	GMZ	Downgradient	87.511	100	83	82	160		140	
R42S	Chloride, total	mg/l	GMZ	Downgradient	87.51186				170			
R42S	Iron, Dissolved	ug/l		Downgradient	4530	30000	21000	20000	66000	64000	58000	54000
SG1	Ammonia as N, dissolved	mg/l	GMZ	Stream-Downgradient	0.9	1	1.1	1	0.25		0.53	
SG1	Nitrate as N, dissolved	mg/l	GMZ	Stream-Downgradient	11.74	2.8	2.2	H 3.9	16		12	
SG1	Nitrate as N, total	mg/l	GMZ	Stream-Downgradient	11.7389				16			
SG1	Sulfate, Dissolved	mg/l		Stream-Downgradient	48.448	51	53	76	57		55	
SG3	Nitrate as N, dissolved	mg/l	GMZ	Stream-Downgradient	11.74	2.7	1.7	H 4	16		12	
SG3	Nitrate as N, total	mg/l	GMZ	Stream-Downgradient	11.7389				16			
SG3	pH (field)	units		Stream-Downgradient	8.1 5.4	8.03	8.03	7.95	8.27		7.61	
SG3	Sulfate, Dissolved	mg/l		Stream-Downgradient	48.448	55	56	75	57		54	
SG4	Nitrate as N, dissolved	mg/l	GMZ	Stream-Downgradient	11.74	3	2.1	H 4	16		12	
SG4	Nitrate as N, total	mg/l	GMZ	Stream-Downgradient	11.7389				15			
SG4	pH (field)	units		Stream-Downgradient	8.1 5.4	7.67	7.86	8.02	8.3		7.44	
SG4	Selenium, total	ug/l		Stream-Downgradient	4				4.2			
SG4	Sulfate, Dissolved	mg/l		Stream-Downgradient	48.448	50	54	70	56		53	

Notes:

1. This table only includes parameters that had an AGQS exceedence in one or more quarters.
2. A shaded box indicates an AGQS exceedence.

Table 3A
Winnebago Reclamation Service, Inc.
Analytical Results for GMZ Parameters 1997-2004

Well	Parameter	Units	1stQtr97	2ndQtr97	3rdQtr97	4thQtr97	1stQtr98	2ndQtr98	3rdQtr98	4thQtr98	1stQtr99	2ndQtr99	3rdQtr99	4thQtr99	1stQtr00	2ndQtr00	3rdQtr00	4thQtr00	1stQtr01	2ndQtr01	3rdQtr01	4thQtr01
G03M	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G09D	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G09M	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G119	1,2,3-Trichlorobenzene	ug/l																		< 1		
G130	1,2,3-Trichlorobenzene	ug/l																		< 1		
G13D	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G13S	1,2,3-Trichlorobenzene	ug/l		< 5				14				< 1				< 1				< 1		
G14D	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G15S	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G16D	1,2,3-Trichlorobenzene	ug/l																		< 1		
G16M	1,2,3-Trichlorobenzene	ug/l						< 5				< 1				< 1				< 1		
G17S	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G18D	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G18S	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 5						
G20D	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G33D	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G33S	1,2,3-Trichlorobenzene	ug/l																		< 1		
G34D	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G34S	1,2,3-Trichlorobenzene	ug/l										< 1				< 1				< 1		
G35D	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G35S	1,2,3-Trichlorobenzene	ug/l										< 1				< 1				< 1		
G36S	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G37D	1,2,3-Trichlorobenzene	ug/l										< 1				< 1				< 1		
G37S	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G38S	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G39S	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G40S	1,2,3-Trichlorobenzene	ug/l						< 5				< 1				< 1				< 1		
G41D	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G41M	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G41S	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
R03S	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
R42S	1,2,3-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
SG1	1,2,3-Trichlorobenzene	ug/l																		< 1		
SG3	1,2,3-Trichlorobenzene	ug/l																		< 1		
SG4	1,2,3-Trichlorobenzene	ug/l																		< 1		
G03M	1,2,4-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G09D	1,2,4-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G09M	1,2,4-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G119	1,2,4-Trichlorobenzene	ug/l																		< 1		
G130	1,2,4-Trichlorobenzene	ug/l																		< 1		
G13D	1,2,4-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G13S	1,2,4-Trichlorobenzene	ug/l		< 5				7				< 1				< 1				< 1		
G14D	1,2,4-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G15S	1,2,4-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G16D	1,2,4-Trichlorobenzene	ug/l																		< 1		
G16M	1,2,4-Trichlorobenzene	ug/l						< 5				< 1				< 1				< 1		
G17S	1,2,4-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G18D	1,2,4-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G18S	1,2,4-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 5						
G20D	1,2,4-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G33D	1,2,4-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G33S	1,2,4-Trichlorobenzene	ug/l																		< 1		
G34D	1,2,4-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G34S	1,2,4-Trichlorobenzene	ug/l										< 1				< 1				< 1		
G35D	1,2,4-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G35S	1,2,4-Trichlorobenzene	ug/l										< 1				< 1				< 1		
G36S	1,2,4-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G37D	1,2,4-Trichlorobenzene	ug/l										< 1				< 1				< 1		
G37S	1,2,4-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G38S	1,2,4-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G39S	1,2,4-Trichlorobenzene	ug/l		< 5				< 5				< 1				< 1				< 1		

Notes: A shaded box indicates a detection above the AGQS value.
A list of Laboratory Data Qualifiers is supplied in Appendix J.
Andrews Environmental Engineering, Inc.

Table 3A
Winnebago Reclamation Service, Inc.
Analytical Results for GMZ Parameters 1997-2004

Well	Parameter	Units	1stQtr97	2ndQtr97	3rdQtr97	4thQtr97	1stQtr98	2ndQtr98	3rdQtr98	4thQtr98	1stQtr99	2ndQtr99	3rdQtr99	4thQtr99	1stQtr00	2ndQtr00	3rdQtr00	4thQtr00	1stQtr01	2ndQtr01	3rdQtr01	4thQtr01
G40S	1,2,4-Trichlorobenzene	ug/l					< 5					< 1				< 1				< 1		
G41D	1,2,4-Trichlorobenzene	ug/l		< 5			< 5					< 1				< 1				< 1		
G41M	1,2,4-Trichlorobenzene	ug/l		< 5			< 5					< 1				< 1				< 1		
G41S	1,2,4-Trichlorobenzene	ug/l		< 5			< 5					< 1				< 1				< 1		
R03S	1,2,4-Trichlorobenzene	ug/l		< 5			< 5					< 1				< 1				< 1		
R42S	1,2,4-Trichlorobenzene	ug/l		< 5			< 5					< 1				< 1				< 1		
SG1	1,2,4-Trichlorobenzene	ug/l																		< 1		
SG3	1,2,4-Trichlorobenzene	ug/l																		< 1		
SG4	1,2,4-Trichlorobenzene	ug/l																		< 1		
G03M	1,4-Dichlorobenzene	ug/l		< 5			< 5					< 1				2.8				3.6		
G09D	1,4-Dichlorobenzene	ug/l		< 5			< 5					1.4				1.2				4.1		
G09M	1,4-Dichlorobenzene	ug/l		< 5			< 5					< 1				< 1				< 1		
G119	1,4-Dichlorobenzene	ug/l																		< 1		
G130	1,4-Dichlorobenzene	ug/l																		< 1		
G13D	1,4-Dichlorobenzene	ug/l		< 5			< 5					< 1				< 1				< 1		
G13S	1,4-Dichlorobenzene	ug/l		< 5			< 5					< 1				< 1				2.4		
G14D	1,4-Dichlorobenzene	ug/l		23			37					25				26				29		
G15S	1,4-Dichlorobenzene	ug/l		13			12					9.4				11				8.7		
G16D	1,4-Dichlorobenzene	ug/l																		< 1		
G16M	1,4-Dichlorobenzene	ug/l					< 5					23				8.6				< 1		
G17S	1,4-Dichlorobenzene	ug/l		< 5			< 5					< 1				< 1				< 1		
G18D	1,4-Dichlorobenzene	ug/l		< 5			< 5					< 1				< 1				< 1		
G18S	1,4-Dichlorobenzene	ug/l		< 5			< 5					< 1				< 5						
G20D	1,4-Dichlorobenzene	ug/l		< 5			< 5					< 1				< 1				< 1		
G33D	1,4-Dichlorobenzene	ug/l		< 5			< 5					< 1				< 1				< 1		
G33S	1,4-Dichlorobenzene	ug/l																		< 1		
G34D	1,4-Dichlorobenzene	ug/l		< 5			< 5					< 1				< 1				< 1		
G34S	1,4-Dichlorobenzene	ug/l										< 1				1.1				< 1		
G35D	1,4-Dichlorobenzene	ug/l		< 5			< 5					2.7				< 1				< 1		
G35S	1,4-Dichlorobenzene	ug/l										< 1				< 1				< 1		
G36S	1,4-Dichlorobenzene	ug/l		< 5			< 5					< 1				< 1				< 1		
G37D	1,4-Dichlorobenzene	ug/l										< 1				< 1				< 1		
G37S	1,4-Dichlorobenzene	ug/l		< 5			< 5					< 1				< 1				< 1		
G38S	1,4-Dichlorobenzene	ug/l		< 5			< 5					< 1				< 1				< 1		
G39S	1,4-Dichlorobenzene	ug/l		< 5			< 5					< 1				4.3				3.4		
G40S	1,4-Dichlorobenzene	ug/l					7					6.3				5.3				4		
G41D	1,4-Dichlorobenzene	ug/l		< 5			< 5					< 1				1.9				< 1		
G41M	1,4-Dichlorobenzene	ug/l		6			6					3.9				5.4				5.3		
G41S	1,4-Dichlorobenzene	ug/l		< 5			< 5					6.6				3.5				< 1		
R03S	1,4-Dichlorobenzene	ug/l		< 5			< 5					< 1				4.1				5.6		
R42S	1,4-Dichlorobenzene	ug/l		10			12					< 1				< 1				< 1		
SG1	1,4-Dichlorobenzene	ug/l																		< 1		
SG3	1,4-Dichlorobenzene	ug/l																		< 1		
SG4	1,4-Dichlorobenzene	ug/l																		< 1		
G03M	Ammonia as N, dissolved	mg/l	6.46	5.86	1.34	3.76	1.82	1.61	1.2	1.9	0.72	0.57	3.6	47	42	72	160	160	200	150	140	210
G09D	Ammonia as N, dissolved	mg/l	0.1	0.12	0.36	0.55	0.19	0.194	< 0.1	0.12	< 0.1	< 0.1	0.1	0.29	< 0.1	< 0.1	0.29	0.19	0.16	0.18	0.2	0.28
G09M	Ammonia as N, dissolved	mg/l	0.21	0.14	0.27	0.34	0.49	0.18	0.46	0.29	< 0.1	< 0.1	0.18	0.31	0.19	< 0.1	0.13	< 0.1	< 0.1	< 0.1	0.14	< 0.05
G119	Ammonia as N, dissolved	mg/l																		< 0.1	< 0.1	< 0.05
G130	Ammonia as N, dissolved	mg/l																		< 0.1	< 0.1	< 0.05
G13D	Ammonia as N, dissolved	mg/l	0.43	0.3	0.3	0.97	0.38	0.372	0.18	0.32	0.17	< 0.1	< 0.1	0.34	< 0.1	< 0.1	< 0.1	< 0.1	0.12	< 0.1	A 0.49	0.36
G13S	Ammonia as N, dissolved	mg/l	0.19	0.13	0.27	0.63	0.23	0.235	0.24	0.24	0.13	0.18	0.13	0.4	< 0.1	< 0.1	0.1	< 0.1	0.14	0.13	A 0.35	< 0.05
G14D	Ammonia as N, dissolved	mg/l	1.49	1.04	1.01	1.1	0.91	0.983	0.65	1.1	0.6	0.83	1.1	1.4	0.85	0.68	1.1	1.6	1	0.59	A 1.2	0.89
G15S	Ammonia as N, dissolved	mg/l	90.9	122	118	143	129	136	130	130	140	140	90	120	120	110	110	110		110	120	140
G16D	Ammonia as N, dissolved	mg/l																		< 0.1	0.6	< 0.05
G16M	Ammonia as N, dissolved	mg/l	1010		0.23	16.6	9.04	5.98	4.6		< 0.1	130	1.3	1.4	< 0.1	3.1	17	76	45	34	72	97
G17S	Ammonia as N, dissolved	mg/l	0.13	0.23	0.24	0.38	0.21	< 0.05	< 0.1	< 0.061	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05
G18D	Ammonia as N, dissolved	mg/l	0.07	0.1	0.05	0.13	0.18	0.299	0.38	< 0.061	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.12	0.54	1.5	0.34	< 0.1	< 0.1	< 0.05
G18S	Ammonia as N, dissolved	mg/l	0.6	0.34	1.03	0.26	0.25	6.9	5.8	1.9	< 0.1	< 0.1	< 0.1	15	100	170						
G20D	Ammonia as N, dissolved	mg/l	0.05	0.09	0.14	0.25	0.09	0.436	< 0.1	< 0.061	0.19	< 0.1	< 0.1	0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05
G33D	Ammonia as N, dissolved	mg/l	0.07	0.17	< 0.05	1.21	0.3	< 0.05	57	< 0.061	< 0.1	0.35	0.67	0.24	0.15	< 0.1	0.17	< 0.1	< 0.1	< 0.1	0.18	< 0.05
G33S	Ammonia as N, dissolved	mg/l																	< 0.1	A 0.14	< 0.05	

Notes: A shaded box indicates a detection above the AGQS value.
A list of Laboratory Data Qualifiers is supplied in Appendix J.
Andrews Environmental Engineering, Inc.

Table 3A
Winnebago Reclamation Service, Inc.
Analytical Results for GMZ Parameters 1997-2004

Well	Parameter	Units	1stQtr97	2ndQtr97	3rdQtr97	4thQtr97	1stQtr98	2ndQtr98	3rdQtr98	4thQtr98	1stQtr99	2ndQtr99	3rdQtr99	4thQtr99	1stQtr00	2ndQtr00	3rdQtr00	4thQtr00	1stQtr01	2ndQtr01	3rdQtr01	4thQtr01
G34D	Ammonia as N, dissolved	mg/l	0.24	0.09	< 0.05		< 0.05	0.107	< 0.1	< 0.061	< 0.1	< 0.1	< 0.1	0.16	< 0.1	< 0.1	0.14	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05
G34S	Ammonia as N, dissolved	mg/l									21	17	18	15	16	17				8.3	A 5.2	6.5
G35D	Ammonia as N, dissolved	mg/l	45.5	121	24.4	638	184	40.2	< 0.1	130	270	190	15	3.8	3.1	16	11	5	3.1	4.3	3.7	4.9
G35S	Ammonia as N, dissolved	mg/l									10	8.7	12	18	21	22				15	25	41
G36S	Ammonia as N, dissolved	mg/l	0.1	0.16	< 0.05	0.14	0.16	0.162	0.11	< 0.061	< 0.1		< 0.1	< 0.1	< 0.1	< 0.1	0.16	0.11	< 0.1	< 0.1	A 0.15	< 0.05
G37D	Ammonia as N, dissolved	mg/l									1.5	2.1	2.3	1.7	1.4	1.2				1.3	1.2	1
G37S	Ammonia as N, dissolved	mg/l	0.1	0.21	0.12	0.27	0.17	0.157	0.51	< 0.061	0.16	< 0.1	< 0.1	0.24	< 0.1	0.23	< 0.1	< 0.1	0.19	< 0.1	0.43	< 0.05
G38S	Ammonia as N, dissolved	mg/l	90.9	91.5	106	183	886	69.2	68	110	74	58	62	120	85	53	44	50	63	46	310	81
G39S	Ammonia as N, dissolved	mg/l	0.68	0.54	0.1	0.78	0.51	0.55	0.25	0.57	0.21	0.24	1.3	1.1	1.3	1.6	2.5	4.5	4.4	5	9.2	7.9
G40S	Ammonia as N, dissolved	mg/l	8.9		1.44	29.9	269	26.1	13	13	17	20	9.7	12	13	13	12	13	12	12	11	16
G41D	Ammonia as N, dissolved	mg/l	23	16.3	34.4	1.16	0.36	0.221	10	0.13	1	1.2	39	33	37	92	74	47	47	45	37	31
G41M	Ammonia as N, dissolved	mg/l	144	153	152	237	190	164	170	130	0.51	100	140	60	93	72	82	130	74	120	110	130
G41S	Ammonia as N, dissolved	mg/l	215	160	215	272	157	109	210	220	220	250	94	91	50	68	140	86	91	100	94	120
R03S	Ammonia as N, dissolved	mg/l	25.3	20.1	15.6	15.3	9.85	16.1	20		10	13	11	150	130	120	170	190	170	160	220	
R42S	Ammonia as N, dissolved	mg/l	1.35	1.01	0.46	2.58	0.32	1.19			1.8	1.8	1.2	0.87	0.72	0.53	2.6	2.6	0.81	1.5	2	2.3
SG1	Ammonia as N, dissolved	mg/l																		< 0.1	< 0.1	0.33
SG3	Ammonia as N, dissolved	mg/l																		< 0.1	A 0.14	< 0.05
SG4	Ammonia as N, dissolved	mg/l																		0.29	0.2	0.32
G03M	Ammonia as N, total	mg/l		6.52				16.1				0.65				72				160		
G09D	Ammonia as N, total	mg/l		0.17				0.13				< 0.1				0.17				0.23		
G09M	Ammonia as N, total	mg/l		0.18				0.198				< 0.1				0.13				< 0.1		
G119	Ammonia as N, total	mg/l																		< 0.1		
G130	Ammonia as N, total	mg/l																		< 0.1		
G13D	Ammonia as N, total	mg/l		0.48				0.308				< 0.1				< 0.1				< 0.1		
G13S	Ammonia as N, total	mg/l		0.2				0.153				0.18				0.13				0.18		
G14D	Ammonia as N, total	mg/l		1.11				0.906				0.74				0.78				0.59		
G15S	Ammonia as N, total	mg/l		132				129				< 0.1				140				120		
G16D	Ammonia as N, total	mg/l																		< 0.1		
G16M	Ammonia as N, total	mg/l						4.5				170				3.2				40		
G17S	Ammonia as N, total	mg/l		0.32				0.13				< 0.1				< 0.1				0.11		
G18D	Ammonia as N, total	mg/l		0.12				0.071				< 0.1				0.41				< 0.1		
G18S	Ammonia as N, total	mg/l		0.65				5.3				0.12				170						
G20D	Ammonia as N, total	mg/l		0.12				0.084				< 0.1				< 0.1				< 0.1		
G33D	Ammonia as N, total	mg/l		0.25				0.066				< 0.1				< 0.1				< 0.1		
G33S	Ammonia as N, total	mg/l																		< 0.1		
G34D	Ammonia as N, total	mg/l		0.13				0.098				280				< 0.1				< 0.1		
G34S	Ammonia as N, total	mg/l										23				20				8.9		
G35D	Ammonia as N, total	mg/l		129				49.5				140				85				4.7		
G35S	Ammonia as N, total	mg/l										12				15				16		
G36S	Ammonia as N, total	mg/l		0.24				0.171				< 0.1				< 0.1				< 0.1		
G37D	Ammonia as N, total	mg/l										2.2				1.2				1.3		
G37S	Ammonia as N, total	mg/l		0.22				0.093				< 0.1				0.26				< 0.1		
G38S	Ammonia as N, total	mg/l		105				70				82				59				48		
G39S	Ammonia as N, total	mg/l		0.58				0.531				0.31				1.8				4.8		
G40S	Ammonia as N, total	mg/l						23				19				16				13		
G41D	Ammonia as N, total	mg/l		16.7				0.112				0.41				55				59		
G41M	Ammonia as N, total	mg/l		159				167				120				81				120		
G41S	Ammonia as N, total	mg/l		176				121				280				40				110		
R03S	Ammonia as N, total	mg/l		22.4				1.84			J	13				120				180		
R42S	Ammonia as N, total	mg/l		1.25				1.6				2				0.73				1.6		
SG1	Ammonia as N, total	mg/l																		< 0.1		
SG3	Ammonia as N, total	mg/l																		< 0.1		
SG4	Ammonia as N, total	mg/l																		0.29		
G03M	Arsenic, Dissolved	ug/l	3	< 2	< 2	< 2	< 2	< 2	< 3	< 2	< 3	< 0.84	< 3	< 3	< 3	1.9	< 2	2.4	2.6	2.5	2.9	3
G09D	Arsenic, Dissolved	ug/l	< 2.2	< 2	< 2	< 2	< 2	< 2	< 3	< 2	< 3	< 0.84	< 3	< 3	< 3	1.4	< 2	2.5	< 2	< 2	< 2	< 1
G09M	Arsenic, Dissolved	ug/l	< 2.2	< 2	< 2	< 2	< 2	< 2	< 3	< 2	< 3	< 0.84	< 3	< 3	< 3	< 0.84	< 2	< 2	< 2	< 2	< 2	< 1
G119	Arsenic, Dissolved	ug/l																		< 2	< 2	< 1
G130	Arsenic, Dissolved	ug/l																		< 2	< 2	< 1
G13D	Arsenic, Dissolved	ug/l	< 2.2	< 2	< 2	< 2	< 2	< 2	< 3	< 2	< 3	< 0.84	< 3	< 3	< 3	1.4	< 2	< 2	< 2	< 2	< 2	2
G13S	Arsenic, Dissolved	ug/l	< 2.2	< 2	3.4	< 2	8.2	< 2	< 3	< 2	< 3	< 0.84	< 3	< 3	< 3	1.4	< 2	< 2	< 2	< 2	< 2	< 1
G14D	Arsenic, Dissolved	ug/l	43	35	66	61	26	17.4	42	72	67	32	110	94	67	22	12	21	56	16	32	11

Notes: A shaded box indicates a detection above the AGQS value.

A list of Laboratory Data Qualifiers is supplied in Appendix J.

Andrews Environmental Engineering, Inc.

Table 3A
Winnebago Reclamation Service, Inc.
Analytical Results for GMZ Parameters 1997-2004

Well	Parameter	Units	1stQtr97	2ndQtr97	3rdQtr97	4thQtr97	1stQtr98	2ndQtr98	3rdQtr98	4thQtr98	1stQtr99	2ndQtr99	3rdQtr99	4thQtr99	1stQtr00	2ndQtr00	3rdQtr00	4thQtr00	1stQtr01	2ndQtr01	3rdQtr01	4thQtr01
G15S	Arsenic, Dissolved	ug/l	6.3	7	2.6	7.4	70.8	3	< 3	< 2	5.3	3.7	5.6	7	< 3	11	7.1	3.4		2.9	3.2	2
G16D	Arsenic, Dissolved	ug/l																		< 2	< 2	< 1
G16M	Arsenic, Dissolved	ug/l	0	0	< 2	< 2	< 2	< 2	< 3		< 3	3	< 3	< 3	< 3	< 3	< 2	< 2	< 2	< 2	< 2	< 1
G17S	Arsenic, Dissolved	ug/l	< 2.2	< 2	2.3	2.1	10.4	< 2	< 3	< 0.53	< 3	< 0.84	< 3	< 3	< 3	1	< 2	< 2	< 2	< 2	< 2	< 1
G18D	Arsenic, Dissolved	ug/l	< 2.2	< 2	< 2	< 2	5.2	< 2	< 3	< 2	< 3	< 0.84	< 3	< 3	< 3	< 0.84	< 2	< 2	< 2	< 2	< 2	< 1
G18S	Arsenic, Dissolved	ug/l	< 2.2	< 2	< 2	< 2	< 2	4	< 3	< 2	< 3	< 0.84	< 3	6.4	5.3	K 18						
G20D	Arsenic, Dissolved	ug/l	< 2.2	< 2	< 2	< 2	< 2	< 2	< 3	< 2	< 3	< 0.84	< 3	< 3	< 3	< 0.84	< 2	< 2	< 2	< 2	< 2	< 1
G33D	Arsenic, Dissolved	ug/l	< 2.2	< 2	< 2	< 2	< 2	< 2	9	< 0.53	< 3	< 0.84	< 3	< 3	< 3	< 0.84	< 2	< 2	< 2	< 2	< 2	< 1
G33S	Arsenic, Dissolved	ug/l																		< 2	< 2	< 1
G34D	Arsenic, Dissolved	ug/l	< 2.2	< 2	< 2	< 2	< 2	3.1	< 3	< 0.53	< 3	< 0.84	< 3	< 3	< 3	< 0.84	< 2	< 2	< 2	< 2	< 2	< 1
G34S	Arsenic, Dissolved	ug/l									< 3	< 0.84	< 3	< 3	< 3	< 0.84				< 2	< 2	< 1
G35D	Arsenic, Dissolved	ug/l	< 2.2	< 2	< 2	< 2	8.7	5.66	< 3	14	14	13	9.2	< 3	< 3	< 0.84	< 2	< 2	< 2	< 2	< 2	< 1
G35S	Arsenic, Dissolved	ug/l									< 3	< 0.84	< 3	< 3	< 3	1.8				< 2	< 2	< 1
G36S	Arsenic, Dissolved	ug/l	< 2.2	< 2	< 2	2.6	< 2	< 2	< 3	< 0.53	< 3	< 0.84	< 3	< 3	< 3	< 0.84	< 2	< 2	< 2	< 2	< 2	< 1
G37D	Arsenic, Dissolved	ug/l									< 3	< 0.84	< 3	< 3	< 3	< 0.84				< 2	< 2	< 1
G37S	Arsenic, Dissolved	ug/l	< 2.2	< 2	3.7	< 2	< 2	< 2	< 3	< 0.53	< 3	< 0.84	< 3	< 3	< 3	< 0.84	< 2	< 2	< 2	< 2	< 2	< 1
G38S	Arsenic, Dissolved	ug/l	< 2.2	< 2	3.2	3.2	3.1	3.44	< 3	3.3	< 3	< 0.84	5.2	6.4	7.6	5.3	3.4	5.3	5.7	4.1	4.8	4
G39S	Arsenic, Dissolved	ug/l	< 2.2	< 2	< 2	< 2	< 2	< 2	< 3	< 2	< 3	< 0.84	< 3	< 3	< 3	< 0.84	< 2	< 2	< 2	< 2	< 2	< 1
G40S	Arsenic, Dissolved	ug/l	< 2.2	0	< 2	< 2	< 2	< 2	< 3	< 0.53	< 3	< 0.84	< 3	< 3	< 3	1	< 2	< 2	< 2	< 2	< 2	< 1
G41D	Arsenic, Dissolved	ug/l	< 2.2	< 2	< 2	2.1	< 2	< 2	< 3	< 0.53	< 3	< 0.84	< 3	< 3	< 3	1.3	< 2	< 2	2.3	< 2	< 2	< 1
G41M	Arsenic, Dissolved	ug/l	20	24	29	27	23	6	< 3	29	29	25	17	19	16	16	24	18	25	16	19	18
G41S	Arsenic, Dissolved	ug/l	7	< 2	12	4.3	9.4	< 2	6.6	14	16	13	24	21	18	24	18	26	16	22	26	23
R03S	Arsenic, Dissolved	ug/l	13	11	12	9.9	4.8	6.66	8.1		3.5	4.1	6.8	7.5	10	9.5	11	14	14	8.2	13	12
R42S	Arsenic, Dissolved	ug/l	40	23	7.8	51	13	25			19	23	11	19	21	22	26	37	28	21	24	17
SG1	Arsenic, Dissolved	ug/l																		< 2	< 2	< 1
SG3	Arsenic, Dissolved	ug/l																		< 2	< 2	< 1
SG4	Arsenic, Dissolved	ug/l																		< 2	2.1	< 1
G03M	Arsenic, total	ug/l		< 2				< 2				< 3				< 3				< 10		
G09D	Arsenic, total	ug/l		< 2				< 2				< 3				< 3				< 10		
G09M	Arsenic, total	ug/l		< 2				2.2				< 3				< 3				< 10		
G119	Arsenic, total	ug/l																		47		
G130	Arsenic, total	ug/l																		16		
G13D	Arsenic, total	ug/l		< 2				< 2				3.9				3.3				< 10		
G13S	Arsenic, total	ug/l		< 2				< 2				< 3				< 3				< 10		
G14D	Arsenic, total	ug/l		36				18.2				74				62				33		
G15S	Arsenic, total	ug/l		7				< 2				37				110				< 10		
G16D	Arsenic, total	ug/l																		< 10		
G16M	Arsenic, total	ug/l		0				< 2				5				15				< 10		
G17S	Arsenic, total	ug/l		< 2				< 2				3.1				6.4				< 10		
G18D	Arsenic, total	ug/l		< 2				< 2				< 3				< 3				< 10		
G18S	Arsenic, total	ug/l		< 2				4.44				7.7				K 85						
G20D	Arsenic, total	ug/l		< 2				6.22				< 3				< 3				< 10		
G33D	Arsenic, total	ug/l		< 2				< 2				4.9				4				< 10		
G33S	Arsenic, total	ug/l																		< 10		
G34D	Arsenic, total	ug/l		< 2				< 2				< 3				< 3				< 10		
G34S	Arsenic, total	ug/l										11				110				16		
G35D	Arsenic, total	ug/l		5				6.55				36				3.1				< 10		
G35S	Arsenic, total	ug/l										100				45				48		
G36S	Arsenic, total	ug/l		< 2				6.66				< 3				< 3				< 10		
G37D	Arsenic, total	ug/l										4.6				< 3				< 10		
G37S	Arsenic, total	ug/l		< 2				3.77				6.7				8.2				< 10		
G38S	Arsenic, total	ug/l		3				6.99				6.1				6.5				< 10		
G39S	Arsenic, total	ug/l		< 2				3.5				< 3				3.5				< 10		
G40S	Arsenic, total	ug/l		0				< 2				29				48				16		
G41D	Arsenic, total	ug/l		< 2				< 2				< 3				< 3				< 10		
G41M	Arsenic, total	ug/l		30				10				35				38				17		
G41S	Arsenic, total	ug/l		16				< 2				26				41				30		
R03S	Arsenic, total	ug/l		17				4.88				40				55				25		
R42S	Arsenic, total	ug/l		21				34				96				22				21		
SG1	Arsenic, total	ug/l																		< 10		
SG3	Arsenic, total	ug/l																		< 10		

Notes: A shaded box indicates a detection above the AGQS value.
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Andrews Environmental Engineering, Inc.

Table 3A
Winnebago Reclamation Service, Inc.
Analytical Results for GMZ Parameters 1997-2004

Well	Parameter	Units	1stQtr97	2ndQtr97	3rdQtr97	4thQtr97	1stQtr98	2ndQtr98	3rdQtr98	4thQtr98	1stQtr99	2ndQtr99	3rdQtr99	4thQtr99	1stQtr00	2ndQtr00	3rdQtr00	4thQtr00	1stQtr01	2ndQtr01	3rdQtr01	4thQtr01
SG4	Arsenic, total	ug/l																		< 10		
G03M	Barium, total	ug/l		150				97.9				110				620				550		
G09D	Barium, total	ug/l		130				132				220				200				290		
G09M	Barium, total	ug/l		150				146				180				170				150		
G119	Barium, total	ug/l																		510		
G130	Barium, total	ug/l																		640		
G13D	Barium, total	ug/l		140				151				230				200				190		
G13S	Barium, total	ug/l		150				148				150				140				150		
G14D	Barium, total	ug/l		370				402				500				450				740		
G15S	Barium, total	ug/l		460				379				380				460				290		
G16D	Barium, total	ug/l																		95		
G16M	Barium, total	ug/l		0				374				550				490				400		
G17S	Barium, total	ug/l		66				81.6				120				190				140		
G18D	Barium, total	ug/l		< 56				< 56				41				41				45		
G18S	Barium, total	ug/l		220				248				310			K	1000						
G20D	Barium, total	ug/l		71				64				68				68				81		
G33D	Barium, total	ug/l		110				80.1				110				98				92		
G33S	Barium, total	ug/l																		130		
G34D	Barium, total	ug/l		< 56				< 56				32				33				31		
G34S	Barium, total	ug/l										370				1000				310		
G35D	Barium, total	ug/l		1200				128				560				860				230		
G35S	Barium, total	ug/l										1000				630				790		
G36S	Barium, total	ug/l		170				174				210				170				160		
G37D	Barium, total	ug/l										98				53				49		
G37S	Barium, total	ug/l		110				96.8				140				140				74		
G38S	Barium, total	ug/l		1200				924				1100				820				810		
G39S	Barium, total	ug/l		140				176				160				210				250		
G40S	Barium, total	ug/l		0				510				490				570				300		
G41D	Barium, total	ug/l		300				83.7				68				830				460		
G41M	Barium, total	ug/l		570				334				390				440				430		
G41S	Barium, total	ug/l		500				338				730				470				520		
R03S	Barium, total	ug/l		550				383				640				1200				670		
R42S	Barium, total	ug/l		640				501				1800				740				900		
SG1	Barium, total	ug/l																		63		
SG3	Barium, total	ug/l																		63		
SG4	Barium, total	ug/l																		66		
G03M	Boron, Dissolved	ug/l	< 110	< 110	< 110	< 110	< 110	< 110	< 100	41	< 100	< 100	190	450	540	560	1100	1000	910	980	880	940
G09D	Boron, Dissolved	ug/l	< 110	< 110	< 110	< 110	< 110	< 110	< 100	38	< 100	< 100	< 100	< 100	< 100	< 98	< 98	< 98	< 98	< 98	< 98	40
G09M	Boron, Dissolved	ug/l	< 110	< 110	< 110	< 110	< 110	< 110	< 100	21	< 100	< 100	< 100	< 100	< 100	< 98	< 98	< 98	< 98	< 98	< 98	40
G119	Boron, Dissolved	ug/l																		< 98	< 98	34
G130	Boron, Dissolved	ug/l																		< 98	< 98	26
G13D	Boron, Dissolved	ug/l	< 110	< 110	< 110	< 110	120	< 110	110	110	< 100	140	< 100	< 100	< 100	< 98	< 98	100	< 98	< 98	< 98	120
G13S	Boron, Dissolved	ug/l	< 110	< 110	< 110	< 110	< 110	< 110	110	110	110	< 100	< 100	< 100	< 100	< 98	< 98	< 98	< 98	< 98	< 98	140
G14D	Boron, Dissolved	ug/l	110	< 110	< 110	< 110	< 110	< 110	< 100	96	< 100	100	120	110	130	DA 120	110	110	120	130	120	160
G15S	Boron, Dissolved	ug/l	370	380	420	370	376	354	380	360	480	360	440	430	470	430	370	400		380	440	380
G16D	Boron, Dissolved	ug/l																		< 98	< 98	23
G16M	Boron, Dissolved	ug/l	0	0	270	< 110	75	< 110	< 100		< 100	2400	< 100	< 100	< 100	110	200	520	350	170	420	500
G17S	Boron, Dissolved	ug/l	< 110	< 110	< 110	< 110	< 110	< 110	< 100	29	< 100	< 100	< 100	< 100	< 100	< 98	< 98	< 98	< 98	< 98	< 98	57
G18D	Boron, Dissolved	ug/l	< 110	< 110	< 110	< 110	160	< 110	< 100	21	< 100	< 100	< 100	< 100	< 100	< 98	< 98	120	< 98	< 98	< 98	21
G18S	Boron, Dissolved	ug/l	< 110	< 110	150	130	< 110	208	410	290	180	120	170	560	1200	K 1800						
G20D	Boron, Dissolved	ug/l	< 110	< 110	< 110	< 110	< 110	< 110	< 100	22	< 100	< 100	< 100	< 100	< 100	< 98	< 98	< 98	< 98	< 98	< 98	21
G33D	Boron, Dissolved	ug/l	< 110	< 110	< 110	< 110	< 110	< 110	470	15	< 100	< 100	< 100	< 100	< 100	< 98	< 98	< 98	< 98	< 98	< 98	15
G33S	Boron, Dissolved	ug/l																		< 98	< 98	14
G34D	Boron, Dissolved	ug/l	< 110	< 110	< 110	< 110	< 110	< 110	< 100	17	< 100	< 100	< 100	< 100	< 100	< 98	< 98	< 98	< 98	< 98	< 98	16
G34S	Boron, Dissolved	ug/l									140	150	160	140	140	110				< 98	< 98	50
G35D	Boron, Dissolved	ug/l	280	720	130	1500	1800	218	< 100	730	1400	1300	140	< 100	< 100	99	100	< 98	< 98	< 98	< 98	76
G35S	Boron, Dissolved	ug/l									< 100	< 100	< 100	140	160	DA 180				< 98	180	290
G36S	Boron, Dissolved	ug/l	< 110	< 110	< 110	< 110	< 110	< 110	< 100	19	< 100	< 100	< 100	< 100	< 100	< 98	< 98	< 98	< 98	< 98	< 98	32
G37D	Boron, Dissolved	ug/l									< 100	< 100	< 100	< 100	< 100	< 98				< 98	< 98	26
G37S	Boron, Dissolved	ug/l	< 110	< 110	< 110	< 110	< 110	< 110	< 100	29	< 100	< 100	< 100	< 100	< 100	< 98	< 98	< 98	< 98	< 98	< 98	47
G38S	Boron, Dissolved	ug/l	360	410	400	410	310	255	390	420	330	280	520	E 660	440	260	170	240	330	240	320	380

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Table 3A
Winnebago Reclamation Service, Inc.
Analytical Results for GMZ Parameters 1997-2004

Well	Parameter	Units	1stQtr97	2ndQtr97	3rdQtr97	4thQtr97	1stQtr98	2ndQtr98	3rdQtr98	4thQtr98	1stQtr99	2ndQtr99	3rdQtr99	4thQtr99	1stQtr00	2ndQtr00	3rdQtr00	4thQtr00	1stQtr01	2ndQtr01	3rdQtr01	4thQtr01
G39S	Boron, Dissolved	ug/l	< 110	< 110	< 110	< 110	< 110	82.9	< 100	100	100	< 100	110	120	140	130	140	140	120	140	140	130
G40S	Boron, Dissolved	ug/l	160	0	140	230	241	224	180	180	190	180	140	140	160	160	140	130	130	150	130	130
G41D	Boron, Dissolved	ug/l	120	< 110	190	< 110	< 110	< 110	< 100	23	< 100	< 100	200	190	250	290	360	250	230	280	230	220
G41M	Boron, Dissolved	ug/l	850	880	840	920	1100	1050	920	860	830	760	630	330	540	460	430	690	400	640	600	610
G41S	Boron, Dissolved	ug/l	960	970	1000	980	820	509	1100	1100	1300	1200	530	510	300	250	690	550	500	560	410	550
R03S	Boron, Dissolved	ug/l	180	160	130	120	110	144	150		120	120	130	760	850	720	1100	1100	840	910	1000	960
R42S	Boron, Dissolved	ug/l	< 110	< 110	110	< 110	< 110	78.4			120	< 100	120	130	130	< 98	99	110	120	< 98	110	130
SG1	Boron, Dissolved	ug/l																	< 98	< 98		26
SG3	Boron, Dissolved	ug/l																	< 98	< 98		25
SG4	Boron, Dissolved	ug/l																	< 98	< 98		27
G03M	Boron, total	ug/l		< 110				< 110				< 98				560				980		
G09D	Boron, total	ug/l		< 110				< 110				< 98				< 98				< 100		
G09M	Boron, total	ug/l		< 110				< 110				< 98				< 98				< 100		
G119	Boron, total	ug/l																		< 100		
G130	Boron, total	ug/l																		< 100		
G13D	Boron, total	ug/l		< 110				< 110				150				< 98				< 100		
G13S	Boron, total	ug/l		< 110				< 110				< 98				< 98				< 100		
G14D	Boron, total	ug/l		< 110				< 110				100				120				130		
G15S	Boron, total	ug/l		400				366				370				440				350		
G16D	Boron, total	ug/l																		< 100		
G16M	Boron, total	ug/l		0				57.2				2500				130				180		
G17S	Boron, total	ug/l		< 110				< 110				< 98				< 98				< 100		
G18D	Boron, total	ug/l		< 110				< 110				< 98				< 98				< 100		
G18S	Boron, total	ug/l		< 110				241				150				K 1700						
G20D	Boron, total	ug/l		< 110				< 110				< 98				< 98				< 100		
G33D	Boron, total	ug/l		< 110				< 110				< 98				< 98				< 100		
G33S	Boron, total	ug/l																		< 100		
G34D	Boron, total	ug/l		< 110				< 110				< 98				< 98				< 100		
G34S	Boron, total	ug/l										170				220				< 100		
G35D	Boron, total	ug/l		720				212				1200				550				< 100		
G35S	Boron, total	ug/l										140				130				110		
G36S	Boron, total	ug/l		< 110				< 110				< 98				< 98				< 100		
G37D	Boron, total	ug/l										< 98				< 98				< 100		
G37S	Boron, total	ug/l		< 110				< 110				< 98				< 98				< 100		
G38S	Boron, total	ug/l		400				259				290				260				210		
G39S	Boron, total	ug/l		< 110				93.4				100				140				160		
G40S	Boron, total	ug/l		0				278				230				220				130		
G41D	Boron, total	ug/l		< 110				< 110				< 98				300				300		
G41M	Boron, total	ug/l		880				1050				790				470				630		
G41S	Boron, total	ug/l		960				541				1200				270				500		
R03S	Boron, total	ug/l		160				151				190				810				840		
R42S	Boron, total	ug/l		< 110				73.6				180				100				< 100		
SG1	Boron, total	ug/l																		< 100		
SG3	Boron, total	ug/l																		< 100		
SG4	Boron, total	ug/l																		< 100		
G03M	Chloride, Dissolved	mg/l	36.6	25.1	51	36.8	36.3	37	37	65	34	35	150	340	300	370	500	560	500	270	390	490
G09D	Chloride, Dissolved	mg/l	27.3	11.9	19.1	21.8	37.9	23.1	14	9.2	11	18	190	31	24	31	34	35	37	38	68	52
G09M	Chloride, Dissolved	mg/l	117	100	143	155	165	181	160	190	140	150	20	190	190	200	170	180	180	180	160	160
G119	Chloride, Dissolved	mg/l																		23	38	31
G130	Chloride, Dissolved	mg/l																		16	12	10
G13D	Chloride, Dissolved	mg/l	31.6	53.8	46.1	42.6	44.1	48.2	48	31	< 2	37	34	30	30	92	42	46	41	64	64	74
G13S	Chloride, Dissolved	mg/l	45.8	64.7	58.7	49.2	48.6	48.3	44	36	< 2	45	33	26	28	53	30	32	35	72	69	40
G14D	Chloride, Dissolved	mg/l	11.8	3.4	7.3	8.4	12.8	8.35	6.4	13	32	36	90	87	40	32	76	81	52	35	41	38
G15S	Chloride, Dissolved	mg/l	474	325	473	403	398	485	410	310	340	570	350	350	410	480	410	360		310	410	360
G16D	Chloride, Dissolved	mg/l																		8	8.4	7.3
G16M	Chloride, Dissolved	mg/l			186	32.2	64	45.3	50		42	690	2.1	49	60	57	150	220	180	51	220	170
G17S	Chloride, Dissolved	mg/l	63	30.3	52.1	49.8	64.3	140	65	< 0.014	50	58	29	43	61	78	24	38	57	30	59	25
G18D	Chloride, Dissolved	mg/l	27.7	17.8	26.1	28	30.8	31.5	25	490	26	27	29	30	29	30	24	19	32	31	31	30
G18S	Chloride, Dissolved	mg/l	372	51.2	57.1	82	102	154	100	1000	51	63	30	520	480	750						
G20D	Chloride, Dissolved	mg/l	19.7	12.9	20.4	19.8	18.9	18.6	16	16	17	20	22	20	18	23	23	23	19	21	20	17
G33D	Chloride, Dissolved	mg/l	27.5	18.2	31.3	23.9	17	20.6	200	18	22	21	19	15	14	15	12	11	11	9.5	9.8	9.9

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Table 3A
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Analytical Results for GMZ Parameters 1997-2004

Well	Parameter	Units	1stQtr97	2ndQtr97	3rdQtr97	4thQtr97	1stQtr98	2ndQtr98	3rdQtr98	4thQtr98	1stQtr99	2ndQtr99	3rdQtr99	4thQtr99	1stQtr00	2ndQtr00	3rdQtr00	4thQtr00	1stQtr01	2ndQtr01	3rdQtr01	4thQtr01
G33S	Chloride, Dissolved	mg/l																	9.2	11	9.6	
G34D	Chloride, Dissolved	mg/l	23.6	19.3	42.9	27.4	25.4	31.6	31	28	28	31	41	32	30	29	33	28	27	28	27	26
G34S	Chloride, Dissolved	mg/l									96	110	100	77	54	47				32	30	30
G35D	Chloride, Dissolved	mg/l	130	247	87.3	522	376	59.1	18	460	530	340	55	38	42	46	63	49	46	52	51	68
G35S	Chloride, Dissolved	mg/l									41	35	39	74	71	68				33	98	100
G36S	Chloride, Dissolved	mg/l	28.2	19.8	28.8	28.9	29.8	33.6	30	28	33	30	26	12	13	13	19	19	14	13	12	12
G37D	Chloride, Dissolved	mg/l									26	27	37	25	24	27				8	23	22
G37S	Chloride, Dissolved	mg/l	12.1	7.2	9.6	18.6	12.9	11.5	12	45	22	29	26	25	54	61	41	34	28	35	52	61
G38S	Chloride, Dissolved	mg/l	253	169	271	302	186	172	330	310	220	52	610	480	220	100	77	140	180	100	200	260
G39S	Chloride, Dissolved	mg/l	101	54.6	101	105	109	123	110	110	110	100	24	120	96	110	100	110	110	100	110	100
G40S	Chloride, Dissolved	mg/l	151		138	190	198	176	110	110	100	120	84	100	120	15	100	80	95	87	78	90
G41D	Chloride, Dissolved	mg/l	82.9	38.8	105	14.9	14.8	16.4	40	13	14	19	180	< 2	180	210	200	140	18	150	95	62
G41M	Chloride, Dissolved	mg/l	410	295	413	381	428	329	300	310	250	260	350	33	150	240	240	330	190	300	280	300
G41S	Chloride, Dissolved	mg/l	431	298	486	406	422	273	500	520	540	500	230	230	100	130	370	240	230	240	200	270
R03S	Chloride, Dissolved	mg/l	94.3	59.5	70.9	77.3	106	125	69		95	61	160	360	320	380	410	460	380	400	420	440
R42S	Chloride, Dissolved	mg/l	201	124	172	159	237	286			< 2	130	150	28	160	120	89	100	97	90	94	85
SG1	Chloride, Dissolved	mg/l																		27	29	37
SG3	Chloride, Dissolved	mg/l																		29	29	34
SG4	Chloride, Dissolved	mg/l																		31	31	37
G03M	Chloride, total	mg/l		27.1				37.9				34				370				550		
G09D	Chloride, total	mg/l		16.5				26.5				2.5				31				36		
G09M	Chloride, total	mg/l		112				192				160				200				180		
G119	Chloride, total	mg/l																		23		
G130	Chloride, total	mg/l																		16		
G13D	Chloride, total	mg/l		54.7				45.4				32				91				68		
G13S	Chloride, total	mg/l		75.5				50.2				20				55				74		
G14D	Chloride, total	mg/l		4.2				7.71				36				34				40		
G15S	Chloride, total	mg/l		324				478				20				450				310		
G16D	Chloride, total	mg/l																		8.2		
G16M	Chloride, total	mg/l						44.8				690				57				52		
G17S	Chloride, total	mg/l		31.6				138				55				76				30		
G18D	Chloride, total	mg/l		19.6				31.3				26				31				31		
G18S	Chloride, total	mg/l		55.3				158				63				610						
G20D	Chloride, total	mg/l		14.1				17.1				20				23				20		
G33D	Chloride, total	mg/l		22.8				20.2				42				15				9.7		
G33S	Chloride, total	mg/l																		12		
G34D	Chloride, total	mg/l		20				31.4				32				30				28		
G34S	Chloride, total	mg/l										100				54				32		
G35D	Chloride, total	mg/l		264				58.4				550				240				52		
G35S	Chloride, total	mg/l										36				46				32		
G36S	Chloride, total	mg/l		22.7				31.4				31				14				13		
G37D	Chloride, total	mg/l										29				27				23		
G37S	Chloride, total	mg/l		7.2				12				32				60				35		
G38S	Chloride, total	mg/l		185				174				29				100				100		
G39S	Chloride, total	mg/l		68				123				110				110				100		
G40S	Chloride, total	mg/l						171				100				5.5				87		
G41D	Chloride, total	mg/l		42.5				16.2				20				220				160		
G41M	Chloride, total	mg/l		300				323				28				240				300		
G41S	Chloride, total	mg/l		332				338				520				130				240		
R03S	Chloride, total	mg/l		61.8				123				57				360				410		
R42S	Chloride, total	mg/l		123				288				120				120				91		
SG1	Chloride, total	mg/l																		28		
SG3	Chloride, total	mg/l																		30		
SG4	Chloride, total	mg/l																		30		
G03M	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G09D	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G09M	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G119	Ethylbenzene	ug/l																		< 1		
G130	Ethylbenzene	ug/l																		< 1		
G13D	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G13S	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		

Notes: A shaded box indicates a detection above the AGQS value.
A list of Laboratory Data Qualifiers is supplied in Appendix J.
Andrews Environmental Engineering, Inc.

Table 3A
Winnebago Reclamation Service, Inc.
Analytical Results for GMZ Parameters 1997-2004

Well	Parameter	Units	1stQtr97	2ndQtr97	3rdQtr97	4thQtr97	1stQtr98	2ndQtr98	3rdQtr98	4thQtr98	1stQtr99	2ndQtr99	3rdQtr99	4thQtr99	1stQtr00	2ndQtr00	3rdQtr00	4thQtr00	1stQtr01	2ndQtr01	3rdQtr01	4thQtr01
G14D	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				5.9		
G15S	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G16D	Ethylbenzene	ug/l																		< 1		
G16M	Ethylbenzene	ug/l						< 5				5.4				< 1				< 1		
G17S	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G18D	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G18S	Ethylbenzene	ug/l		< 5				< 5				< 1				5.2						
G20D	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G33D	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G33S	Ethylbenzene	ug/l																		< 1		
G34D	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G34S	Ethylbenzene	ug/l										< 1				< 1				< 1		
G35D	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G35S	Ethylbenzene	ug/l										< 1				< 1				< 1		
G36S	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G37D	Ethylbenzene	ug/l										< 1				< 1				< 1		
G37S	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G38S	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G39S	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G40S	Ethylbenzene	ug/l						< 5				< 1				< 1				< 1		
G41D	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G41M	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
G41S	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
R03S	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
R42S	Ethylbenzene	ug/l		< 5				< 5				< 1				< 1				< 1		
SG1	Ethylbenzene	ug/l																		< 1		
SG3	Ethylbenzene	ug/l																		< 1		
SG4	Ethylbenzene	ug/l																		< 1		
G03M	Fluoride, total	mg/l		0.13				0.113				0.65				< 0.1				0.49		
G09D	Fluoride, total	mg/l		< 0.1				0.104				0.49				< 0.1				0.47		
G09M	Fluoride, total	mg/l		< 0.1				0.128				0.45				< 0.1				0.48		
G119	Fluoride, total	mg/l																		0.49		
G130	Fluoride, total	mg/l																		0.5		
G13D	Fluoride, total	mg/l		< 0.1				< 0.1				0.78				< 0.1				0.47		
G13S	Fluoride, total	mg/l		0.11				< 0.1				0.84				< 0.1				0.46		
G14D	Fluoride, total	mg/l		< 0.1				0.108				0.82				< 0.1				0.41		
G15S	Fluoride, total	mg/l		0.11				0.106				0.65				< 0.1				0.48		
G16D	Fluoride, total	mg/l																		0.53		
G16M	Fluoride, total	mg/l						0.116				0.79				< 0.1				0.54		
G17S	Fluoride, total	mg/l		< 0.1				< 0.1				< 0.1				< 0.1				0.51		
G18D	Fluoride, total	mg/l		< 0.1				< 0.1				0.87				0.47				0.49		
G18S	Fluoride, total	mg/l		0.15				0.123				0.66				2.2						
G20D	Fluoride, total	mg/l		0.11				< 0.1				0.64				0.5				0.51		
G33D	Fluoride, total	mg/l		0.15				0.158				< 0.1				0.47				0.48		
G33S	Fluoride, total	mg/l																		0.49		
G34D	Fluoride, total	mg/l		< 0.1				0.11				< 0.1				0.47				0.48		
G34S	Fluoride, total	mg/l										< 0.1				0.47				0.47		
G35D	Fluoride, total	mg/l		0.15				0.199				< 0.1				< 0.1				0.45		
G35S	Fluoride, total	mg/l										0.12				0.47				0.45		
G36S	Fluoride, total	mg/l		0.13				0.122				0.77				0.47				0.45		
G37D	Fluoride, total	mg/l										< 0.1				0.46				0.5		
G37S	Fluoride, total	mg/l		< 0.1				< 0.1				< 0.1				< 0.1				0.49		
G38S	Fluoride, total	mg/l		0.19				0.188				< 0.1				0.53				0.54		
G39S	Fluoride, total	mg/l		< 0.1				< 0.1				0.91				< 0.1				0.45		
G40S	Fluoride, total	mg/l						0.102				0.76				< 0.1				0.47		
G41D	Fluoride, total	mg/l		0.13				0.125				1				< 0.1				0.54		
G41M	Fluoride, total	mg/l		0.16				0.278				0.63				< 0.1				0.55		
G41S	Fluoride, total	mg/l		0.18				0.192				0.69				< 0.1				0.51		
R03S	Fluoride, total	mg/l		0.12				0.106				0.71				< 0.1				0.58		
R42S	Fluoride, total	mg/l		< 0.1				< 0.1				0.81				0.61				0.42		
SG1	Fluoride, total	mg/l																		0.49		

Notes: A shaded box indicates a detection above the AGQS value.
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Andrews Environmental Engineering, Inc.

Table 3A
Winnebago Reclamation Service, Inc.
Analytical Results for GMZ Parameters 1997-2004

Well	Parameter	Units	1stQtr97	2ndQtr97	3rdQtr97	4thQtr97	1stQtr98	2ndQtr98	3rdQtr98	4thQtr98	1stQtr99	2ndQtr99	3rdQtr99	4thQtr99	1stQtr00	2ndQtr00	3rdQtr00	4thQtr00	1stQtr01	2ndQtr01	3rdQtr01	4thQtr01
SG3	Fluoride, total	mg/l																		0.49		
SG4	Fluoride, total	mg/l																		0.55		
G03M	Nitrate as N, dissolved	mg/l	6.96	8.52	7.36	7.68	8.98	8.49	7.9	9.1	8.1	9	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.68	4.6	7.9	< 0.2	< 0.02
G09D	Nitrate as N, dissolved	mg/l	1.3	0.93	0.84	0.84	0.84	0.53	0.5	0.28	0.59	< 0.2	2.1	< 0.2	0.22	< 0.2	< 0.2	0.79	< 0.2	1.6	< 0.2	< 0.02
G09M	Nitrate as N, dissolved	mg/l	0.1	3.25	3.85	2.29	1.45	2.33	2.6	2.3	2.2	0.9	< 0.2	0.24	< 0.2	1.1	1.7	2.9	1.3	1.6	< 0.2	0.03
G119	Nitrate as N, dissolved	mg/l																	7.8	20	18	
G130	Nitrate as N, dissolved	mg/l																	4.2	6.6	9.6	
G13D	Nitrate as N, dissolved	mg/l	1.55	1.12	2.01	1.16	0.11	1.74	0.44	0.25	0.94	< 0.2	< 0.2	0.28	9.6	< 0.2	< 0.2	0.3	< 0.2	< 0.2	0.49	0.36
G13S	Nitrate as N, dissolved	mg/l	0.11	0.16	0.11	< 0.1	< 0.1	< 0.1	< 0.05	< 0.026	< 0.2	0.32	< 0.2	0.22	8.6	< 0.2	0.37	1.8	1	0.76	< 0.2	5
G14D	Nitrate as N, dissolved	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.026	< 0.2	< 0.05	< 0.2	< 0.2	0.47	< 0.2	< 0.2	0.22	< 0.2	< 0.2	< 0.2	< 0.02
G15S	Nitrate as N, dissolved	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.084	0.06	< 0.2	< 0.05	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	4	7.9	0.57	0.03	
G16D	Nitrate as N, dissolved	mg/l																	2.2	3	2.1	
G16M	Nitrate as N, dissolved	mg/l			0.58	1.1	< 0.1	5.86	8.2		4.8	0.4	< 0.2	< 0.2	0.34	0.58	2.7	3.6	< 0.2	2.2	0.2	0.02
G17S	Nitrate as N, dissolved	mg/l	13.3	5.46	10.9	< 0.1	< 0.1	7.13	20	25	17	4.1	3.3	6.7	4.8	1.7	0.92	5.5	7.7	1.1	4.8	1.9
G18D	Nitrate as N, dissolved	mg/l	10.4	11.7	10.7	8.86	12.7	10.5	11	11	10	11	11	13	12	12	10	7.2	12	11	12	11
G18S	Nitrate as N, dissolved	mg/l	0.4	6.51	5.03	3.22	0.3	13.1	7.5	4.3	18	5.9	< 0.2	< 0.2	0.63	< 0.2						
G20D	Nitrate as N, dissolved	mg/l	5.13	4.24	5.57	3.24	5.73	3.91	3.8	4.2	3.8	4.7	3.8	4.5	4.2	4.8	4.8	8.9	3.8	4.2	3.6	4
G33D	Nitrate as N, dissolved	mg/l	1.19	11.5	8.67	10.9	< 0.1	6.58	0.089	10	9.4	12	7.7	7.8	5.4	4.5	4.8	7.5	7.7	3.3	3.6	3.4
G33S	Nitrate as N, dissolved	mg/l																	2.2	4.1	3.2	
G34D	Nitrate as N, dissolved	mg/l	0.77	8.67	4.65	8.32	< 0.1	5.8	6.8	8.9	7.8	8.7	7.5	8.8	9.4	10	9.3	11	10	9.1	9.4	9.1
G34S	Nitrate as N, dissolved	mg/l									1.8	1.2	1.1	4.8	6.2	5.7			6.7	7.2	7.2	
G35D	Nitrate as N, dissolved	mg/l	1.92	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	10	2.1	< 0.2	0.065	< 0.2	3.4	4.5	1	3.7	5.3	5.8	5.3	5.9	5.1
G35S	Nitrate as N, dissolved	mg/l									4.7	4.4	0.57	0.38	0.43	4.8			1.1	0.39	0.12	
G36S	Nitrate as N, dissolved	mg/l	9.67	11.1	11	11.4	11.5	9.57	13	11	10	11	9.3	7	6.3	6.8	8.8	6.6	7.2	6.5	5.3	5.5
G37D	Nitrate as N, dissolved	mg/l									9.1	1	7.6	8.1	8.4	11			9.9	9.6	10	
G37S	Nitrate as N, dissolved	mg/l	6.55	5.44	0.22	< 0.1	8.39	1.13	6.2	4.7	5.5	5.8	5.8	6.8	3.4	2.7	1.6	4.7	5.7	2.7	6.1	5.7
G38S	Nitrate as N, dissolved	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.556	< 0.05	0.03	2.3	0.3	< 0.2	0.43	< 0.2	< 0.2	< 0.2	0.57	< 0.2	0.36	0.6	< 0.02
G39S	Nitrate as N, dissolved	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.1	0.1	0.037	< 0.2	0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	12	0.28	0.31	0.81	0.09
G40S	Nitrate as N, dissolved	mg/l	0.89		1.89	0.36	< 0.1	0.238	1.6	0.43	0.88	1.2	2.1	1.1	1	0.89	2.3	3.2	2.3	2.6	2.4	1.2
G41D	Nitrate as N, dissolved	mg/l	2.3	3.96	1.5	6.78	7.98	5.64	4.9	7.3	6.3	6.7	2.1	2.5	2	0.25	1.1	7.3	6.2	1.5	2	2.9
G41M	Nitrate as N, dissolved	mg/l	0.18	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.026	2.1	< 0.05	< 0.2	< 0.2	< 0.2	< 0.2	0.44	< 0.2	< 0.2	0.25	0.08
G41S	Nitrate as N, dissolved	mg/l	0.44	< 0.1	< 0.1	< 0.1	< 0.1	0.182	0.16	0.065	< 1	< 0.05	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	1.5	< 0.2	< 0.2	< 0.2	5.3
R03S	Nitrate as N, dissolved	mg/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.235	0.3		0.5	0.088	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.42	4.9	< 0.2	0.23	< 0.02
R42S	Nitrate as N, dissolved	mg/l	< 0.1	< 0.1	0.35	< 0.1	< 0.1	0.118			< 0.2	< 0.05	3.3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.28	< 0.02
SG1	Nitrate as N, dissolved	mg/l																	9.7	3.2	5	
SG3	Nitrate as N, dissolved	mg/l																	9.7	3.8	0.46	
SG4	Nitrate as N, dissolved	mg/l																	10	3.5	5.9	
G03M	Nitrate as N, total	mg/l		8.43				9.21				9.5			< 0.2				< 0.2			
G09D	Nitrate as N, total	mg/l		1.27				0.611				0.29			< 0.2				< 0.2			
G09M	Nitrate as N, total	mg/l		3.43				2.1				2.6			1.3				1.2			
G119	Nitrate as N, total	mg/l																	7.8			
G130	Nitrate as N, total	mg/l																	4.3			
G13D	Nitrate as N, total	mg/l		1.11				1.75				< 0.05			0.24				< 0.2			
G13S	Nitrate as N, total	mg/l		0.32				< 0.1				0.3			< 0.2				0.74			
G14D	Nitrate as N, total	mg/l		< 0.1				0.169				< 0.05			< 0.2				< 0.2			
G15S	Nitrate as N, total	mg/l		< 0.1				< 0.1				< 0.05			< 0.2				< 0.2			
G16D	Nitrate as N, total	mg/l																	2.2			
G16M	Nitrate as N, total	mg/l						6.2				0.38			0.68				4.1			
G17S	Nitrate as N, total	mg/l		5.53				7.95				1.7			1.8				1.1			
G18D	Nitrate as N, total	mg/l		11.9				11.1				11			12				11			
G18S	Nitrate as N, total	mg/l		6.66				14.1				6.4			< 0.2							
G20D	Nitrate as N, total	mg/l		4.54				4.6				4.6			4.8				4.1			
G33D	Nitrate as N, total	mg/l		12.1				7.29				1.6			4.4				3.4			
G33S	Nitrate as N, total	mg/l																	3.7			
G34D	Nitrate as N, total	mg/l		9.17				5.56				6.9			9.9				9.1			
G34S	Nitrate as N, total	mg/l										1.6			5.1				6.7			
G35D	Nitrate as N, total	mg/l		< 0.1				< 0.1				< 0.2			2.2				5.4			
G35S	Nitrate as N, total	mg/l										3.6			1.1				4.4			
G36S	Nitrate as N, total	mg/l		11.6				11				11			6.8				6.5			
G37D	Nitrate as N, total	mg/l										8.9			11				9.2			
G37S	Nitrate as N, total	mg/l		5.7				5.27				3.9			2.7				2.8			

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Table 3A
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Analytical Results for GMZ Parameters 1997-2004

Well	Parameter	Units	1stQtr97	2ndQtr97	3rdQtr97	4thQtr97	1stQtr98	2ndQtr98	3rdQtr98	4thQtr98	1stQtr99	2ndQtr99	3rdQtr99	4thQtr99	1stQtr00	2ndQtr00	3rdQtr00	4thQtr00	1stQtr01	2ndQtr01	3rdQtr01	4thQtr01
G38S	Nitrate as N, total	mg/l		< 0.1				0.488				8.9				< 0.2				2.2		
G39S	Nitrate as N, total	mg/l		0.11				< 0.1				0.21				< 0.2				0.3		
G40S	Nitrate as N, total	mg/l						0.264				1.2				0.82				2.4		
G41D	Nitrate as N, total	mg/l		4.08				5.77				6.9				0.25				1.1		
G41M	Nitrate as N, total	mg/l		< 0.1				< 0.1				< 0.05				< 0.2				< 0.2		
G41S	Nitrate as N, total	mg/l		< 0.1				< 0.1				< 0.05				< 0.2				< 0.2		
R03S	Nitrate as N, total	mg/l		< 0.1				< 0.1				0.078				< 0.2				< 0.2		
R42S	Nitrate as N, total	mg/l		< 0.1				0.138				< 0.05				< 0.2				< 0.2		
SG1	Nitrate as N, total	mg/l																		9.7		
SG3	Nitrate as N, total	mg/l																		9.7		
SG4	Nitrate as N, total	mg/l																		9.8		
G03M	Potassium, total	mg/l		8				3.42				3.9				38				88		
G09D	Potassium, total	mg/l		1.5				< 2				0.94				0.73				0.89		
G09M	Potassium, total	mg/l		< 1.1				< 2				0.89				0.84				0.7		
G119	Potassium, total	mg/l																		12		
G130	Potassium, total	mg/l																		7.9		
G13D	Potassium, total	mg/l		5.2				4.78				11				5.8				4.8		
G13S	Potassium, total	mg/l		4.8				6.81				5.3				4				4		
G14D	Potassium, total	mg/l		3.1				2.3				2.2				2.3				2.3		
G15S	Potassium, total	mg/l		57				60.9				56				60				59		
G16D	Potassium, total	mg/l																		1.2		
G16M	Potassium, total	mg/l						7.08				170				18				18		
G17S	Potassium, total	mg/l		2				3.61				6.4				10				6.1		
G18D	Potassium, total	mg/l		3.4				2.34				3				2.8				3		
G18S	Potassium, total	mg/l		7.3				15.9				15				K 69						
G20D	Potassium, total	mg/l		1.4				< 2				1.6				1.7				1.5		
G33D	Potassium, total	mg/l		2.3				< 2				2.2				1.2				1.1		
G33S	Potassium, total	mg/l																		3.3		
G34D	Potassium, total	mg/l		2.5				< 2				1.9				1.7				1.8		
G34S	Potassium, total	mg/l										17				31				11		
G35D	Potassium, total	mg/l		65				34				100				46				7.5		
G35S	Potassium, total	mg/l										24				21				20		
G36S	Potassium, total	mg/l		1.8				< 2				1.4				0.94				0.86		
G37D	Potassium, total	mg/l										6.7				3.3				2.8		
G37S	Potassium, total	mg/l		2.7				2.51				12				12				5.1		
G38S	Potassium, total	mg/l		46				37.8				37				30				1.2		
G39S	Potassium, total	mg/l		4.2				5.02				5.6				9.4				8.9		
G40S	Potassium, total	mg/l						30.2				30				16				18		
G41D	Potassium, total	mg/l		9.4				< 2				1.9				25				25		
G41M	Potassium, total	mg/l		80				81.7				62				49				58		
G41S	Potassium, total	mg/l		84				54.8				100				33				52		
R03S	Potassium, total	mg/l		18				14				23				87				91		
R42S	Potassium, total	mg/l		3.4				3.74				18				2.5				1.2		
SG1	Potassium, total	mg/l																		1.1		
SG3	Potassium, total	mg/l																		1.1		
SG4	Potassium, total	mg/l																		1.2		
G03M	Sodium, total	mg/l		17				10.9				12				150				260		
G09D	Sodium, total	mg/l		16				16.7				10				10				18		
G09M	Sodium, total	mg/l		41				53				57				68				70		
G119	Sodium, total	mg/l																		8.8		
G130	Sodium, total	mg/l																		7.2		
G13D	Sodium, total	mg/l		33				33.8				45				37				39		
G13S	Sodium, total	mg/l		52				36.1				33				28				39		
G14D	Sodium, total	mg/l		12				17.1				12				19				19		
G15S	Sodium, total	mg/l		170				175				170				190				130		
G16D	Sodium, total	mg/l																		4.7		
G16M	Sodium, total	mg/l						14.6				470				28				37		
G17S	Sodium, total	mg/l		18				27.2				30				23				10		
G18D	Sodium, total	mg/l		9.1				9.17				8.6				9.3				11		
G18S	Sodium, total	mg/l		55				76.1				41				K 350						
G20D	Sodium, total	mg/l		8				6.36				8.1				7.6				6.7		

Notes: A shaded box indicates a detection above the AGQS value.
A list of Laboratory Data Qualifiers is supplied in Appendix J.
Andrews Environmental Engineering, Inc.

Table 3A
Winnebago Reclamation Service, Inc.
Analytical Results for GMZ Parameters 1997-2004

Well	Parameter	Units	1stQtr97	2ndQtr97	3rdQtr97	4thQtr97	1stQtr98	2ndQtr98	3rdQtr98	4thQtr98	1stQtr99	2ndQtr99	3rdQtr99	4thQtr99	1stQtr00	2ndQtr00	3rdQtr00	4thQtr00	1stQtr01	2ndQtr01	3rdQtr01	4thQtr01
G33D	Sodium, total	mg/l		9.1				5.92				7.3				5.3				5.3		
G33S	Sodium, total	mg/l																		6.1		
G34D	Sodium, total	mg/l		6.2				5.83				6.1				6.3				6.5		
G34S	Sodium, total	mg/l										48				32				14		
G35D	Sodium, total	mg/l		160				28.1				18				140				28		
G35S	Sodium, total	mg/l										20				24				22		
G36S	Sodium, total	mg/l		9.8				9.25				11				4.6				5.2		
G37D	Sodium, total	mg/l										9.8				8.5				8		
G37S	Sodium, total	mg/l		4.7				4.56				6.1				11				7		
G38S	Sodium, total	mg/l		99				57.8				83				52				4.7		
G39S	Sodium, total	mg/l		45				42				45				47				58		
G40S	Sodium, total	mg/l						89.1				63				63				44		
G41D	Sodium, total	mg/l		28				4.72				6.6				86				69		
G41M	Sodium, total	mg/l		180				164				150				100				140		
G41S	Sodium, total	mg/l		190				116				280				51				120		
R03S	Sodium, total	mg/l		37				44.7				43				160				160		
R42S	Sodium, total	mg/l		43				71.8				72				55				54		
SG1	Sodium, total	mg/l																		11		
SG3	Sodium, total	mg/l																		11		
SG4	Sodium, total	mg/l																		11		
G03M	Tetrahydrofuran	ug/l		< 5				< 5				< 5				21				43		
G09D	Tetrahydrofuran	ug/l		< 5				< 5				< 5				< 5				< 5		
G09M	Tetrahydrofuran	ug/l		< 5				< 5				< 5				< 5				< 5		
G119	Tetrahydrofuran	ug/l																		< 5		
G130	Tetrahydrofuran	ug/l																		< 5		
G13D	Tetrahydrofuran	ug/l		< 5				< 5				< 5				< 5				< 5		
G13S	Tetrahydrofuran	ug/l		< 5				< 5				< 5				< 5				< 5		
G14D	Tetrahydrofuran	ug/l		< 5				< 5				< 5				< 5				< 5		
G15S	Tetrahydrofuran	ug/l		51				39				34				29				22		
G16D	Tetrahydrofuran	ug/l																		< 5		
G16M	Tetrahydrofuran	ug/l						< 5				59				< 5				< 5		
G17S	Tetrahydrofuran	ug/l		< 5				< 5				< 5				< 5				< 5		
G18D	Tetrahydrofuran	ug/l		< 5				< 5				< 5				< 5				< 5		
G18S	Tetrahydrofuran	ug/l		< 5				21				< 5				240						
G20D	Tetrahydrofuran	ug/l		< 5				< 5				< 5				< 5				< 5		
G33D	Tetrahydrofuran	ug/l		< 5				< 5				< 5				< 5				< 5		
G33S	Tetrahydrofuran	ug/l																		< 5		
G34D	Tetrahydrofuran	ug/l		< 5				< 5				< 5				< 5				< 5		
G34S	Tetrahydrofuran	ug/l										< 5				< 5				< 5		
G35D	Tetrahydrofuran	ug/l		27				< 5				16				< 5				< 5		
G35S	Tetrahydrofuran	ug/l										< 5				< 5				< 5		
G36S	Tetrahydrofuran	ug/l		< 5				< 5				< 5				< 5				< 5		
G37D	Tetrahydrofuran	ug/l										< 5				< 5				< 5		
G37S	Tetrahydrofuran	ug/l		< 5				< 5				< 5				< 5				< 5		
G38S	Tetrahydrofuran	ug/l		13				12				18				< 5				< 5		
G39S	Tetrahydrofuran	ug/l		6				< 5				< 5				< 5				< 5		
G40S	Tetrahydrofuran	ug/l						< 5				< 5				< 5				< 5		
G41D	Tetrahydrofuran	ug/l		6				< 5				< 5				13				11		
G41M	Tetrahydrofuran	ug/l		37				30				22				14				21		
G41S	Tetrahydrofuran	ug/l		23				26				48				5.9				13		
R03S	Tetrahydrofuran	ug/l		< 5				< 5				< 5				29				28		
R42S	Tetrahydrofuran	ug/l		10				6				< 5				< 5				< 5		
SG1	Tetrahydrofuran	ug/l																		< 5		
SG3	Tetrahydrofuran	ug/l																		< 5		
SG4	Tetrahydrofuran	ug/l																		< 5		

Notes: A shaded box indicates a detection above the AGQS value.
A list of Laboratory Data Qualifiers is supplied in Appendix J.
Andrews Environmental Engineering, Inc.

Table 3A
Winnebago Reclamation Service, Inc.
Analytical Results for GMZ Parameters

Well	Parameter	Units	1stQtr02	2ndQtr02	3rdQtr02	4thQtr02	1stQtr03	2ndQtr03	2ndQtr03Re	3rdQtr03	4thQtr03	1stQtr04	2ndQtr04	2ndQtr04re	3rdQtr04	3rdQtr04re
G03M	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G09D	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G09M	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G119	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G130	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G13D	1,2,3-Trichlorobenzene	ug/l		< 1				< 1		< 1	< 1	< 1	< 1		< 1	
G13S	1,2,3-Trichlorobenzene	ug/l		< 1				< 1		< 1	< 1	< 1	< 1		< 1	
G14D	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G15S	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G16D	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G16M	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G17S	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G18D	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G18S	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G20D	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G33D	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G33S	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G34D	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G34S	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G35D	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G35S	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G36S	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G37D	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G37S	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G38S	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G39S	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G40S	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G41D	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G41M	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G41S	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
R03S	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
R42S	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
SG1	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
SG3	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
SG4	1,2,3-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G03M	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G09D	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G09M	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G119	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G130	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G13D	1,2,4-Trichlorobenzene	ug/l		< 1				< 1		< 1	< 1	< 1	< 1		< 1	
G13S	1,2,4-Trichlorobenzene	ug/l		< 1				< 1		< 1	< 1	< 1	< 1		< 1	
G14D	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G15S	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G16D	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G16M	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G17S	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G18D	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G18S	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G20D	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G33D	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G33S	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G34D	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G34S	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G35D	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G35S	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G36S	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G37D	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G37S	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G38S	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G39S	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			

Notes: A shaded box indicates a detection above the AGQS value.
A list of Laboratory Data Qualifiers is supplied in Appendix J.
Andrews Environmental Engineering, Inc.

Table 3A
Winnebago Reclamation Service, Inc.
Analytical Results for GMZ Parameters

Well	Parameter	Units	1stQtr02	2ndQtr02	3rdQtr02	4thQtr02	1stQtr03	2ndQtr03	2ndQtr03Re	3rdQtr03	4thQtr03	1stQtr04	2ndQtr04	2ndQtr04re	3rdQtr04	3rdQtr04re
G40S	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G41D	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G41M	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G41S	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
R03S	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
R42S	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
SG1	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
SG3	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
SG4	1,2,4-Trichlorobenzene	ug/l		< 1				< 1					< 1			
G03M	1,4-Dichlorobenzene	ug/l		2				< 1					< 1			
G09D	1,4-Dichlorobenzene	ug/l		4				6	11				7	3		
G09M	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
G119	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
G130	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
G13D	1,4-Dichlorobenzene	ug/l		< 1				3	4	2	2	4	4		3	
G13S	1,4-Dichlorobenzene	ug/l		< 1				< 1	< 1	< 1	< 1	< 1	< 1		< 1	
G14D	1,4-Dichlorobenzene	ug/l		25				15	13				11	12		
G15S	1,4-Dichlorobenzene	ug/l		6				9	9				8			
G16D	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
G16M	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
G17S	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
G18D	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
G18S	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
G20D	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
G33D	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
G33S	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
G34D	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
G34S	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
G35D	1,4-Dichlorobenzene	ug/l		2				< 1					< 1			
G35S	1,4-Dichlorobenzene	ug/l		1				< 1					< 1			
G36S	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
G37D	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
G37S	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
G38S	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
G39S	1,4-Dichlorobenzene	ug/l		3				4	4				3			
G40S	1,4-Dichlorobenzene	ug/l		5				5	5				5			
G41D	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
G41M	1,4-Dichlorobenzene	ug/l		4				< 1					< 1			
G41S	1,4-Dichlorobenzene	ug/l		5				3	3				2			
R03S	1,4-Dichlorobenzene	ug/l		< 1				2	1				< 1			
R42S	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
SG1	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
SG3	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
SG4	1,4-Dichlorobenzene	ug/l		< 1				< 1					< 1			
G03M	Ammonia as N, dissolved	mg/l	170	140	230	170	25	9.6		7.3	4.6	3.2	10		2.5	
G09D	Ammonia as N, dissolved	mg/l	0.21	0.13	0.32	0.5	0.29	0.087		0.24	0.099	0.065	< 0.05		< 0.09	
G09M	Ammonia as N, dissolved	mg/l	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		0.58	3.5	3.5	0.48		1.2	2.9
G119	Ammonia as N, dissolved	mg/l	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.09	
G130	Ammonia as N, dissolved	mg/l	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05		< 0.09	
G13D	Ammonia as N, dissolved	mg/l	0.06	0.18	< 0.05	< 0.05	0.057	< 0.05		0.16	0.19	0.084	0.064		< 0.09	
G13S	Ammonia as N, dissolved	mg/l	0.39	< 0.05	0.5	0.26	0.36	0.76		0.38	0.5	< 0.05	0.094		0.14	
G14D	Ammonia as N, dissolved	mg/l	0.93	1.8	1.6	0.98	0.51	0.1		0.92	0.99	0.69	0.28		1.2	1.7
G15S	Ammonia as N, dissolved	mg/l	180	130	120	120	150	250		280	280	260	180		132	
G16D	Ammonia as N, dissolved	mg/l	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05		< 0.09	
G16M	Ammonia as N, dissolved	mg/l	26	19	65	88	40	32		22	30	28	19		12	
G17S	Ammonia as N, dissolved	mg/l	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05		< 0.09	
G18D	Ammonia as N, dissolved	mg/l	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05		< 0.09	
G18S	Ammonia as N, dissolved	mg/l	8.6	1.7	2.8	0.74	2.2	0.29		0.16	4.9	< 0.05	< 0.05		< 0.09	
G20D	Ammonia as N, dissolved	mg/l	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05		< 0.09	
G33D	Ammonia as N, dissolved	mg/l	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05		< 0.09	
G33S	Ammonia as N, dissolved	mg/l	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05		< 0.09	

Notes: A shaded box indicates a detection above the AGQS value.
A list of Laboratory Data Qualifiers is supplied in Appendix J.
Andrews Environmental Engineering, Inc.

Table 3A
Winnebago Reclamation Service, Inc.
Analytical Results for GMZ Parameters

Well	Parameter	Units	1stQtr02	2ndQtr02	3rdQtr02	4thQtr02	1stQtr03	2ndQtr03	2ndQtr03Re	3rdQtr03	4thQtr03	1stQtr04	2ndQtr04	2ndQtr04re	3rdQtr04	3rdQtr04re
G34D	Ammonia as N, dissolved	mg/l	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05		0.77	
G34S	Ammonia as N, dissolved	mg/l	4.8	1.4	3.8	5.2	3.6	4.6		4.4	9.9	24	21		20	
G35D	Ammonia as N, dissolved	mg/l	16	4.2	11	120	100	32		80	13	6.3	5.4		31	
G35S	Ammonia as N, dissolved	mg/l	42	35	21	63	81	62		52	61	6.7	43		40	
G36S	Ammonia as N, dissolved	mg/l	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05		< 0.09	
G37D	Ammonia as N, dissolved	mg/l	0.93	0.67	0.78	0.71	0.49	0.16		0.095	< 0.05	< 0.05	< 0.05		< 0.09	
G37S	Ammonia as N, dissolved	mg/l	0.17	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		0.56	0.54	0.43	0.51		0.75	
G38S	Ammonia as N, dissolved	mg/l	52	48	40	28	15	14		30	44	38	58		66	
G39S	Ammonia as N, dissolved	mg/l	7.6	7.48	7.6	9.1	5.8	7.4		8.4	7.4	6.7	5.8		8.4	
G40S	Ammonia as N, dissolved	mg/l	17	20	13	15	15	19		19	23	24	24		22	
G41D	Ammonia as N, dissolved	mg/l	1.2	14	0.085	< 0.05	< 0.05	0.32		0.13	< 0.05	< 0.05	< 0.05		< 0.09	
G41M	Ammonia as N, dissolved	mg/l	150	140	190	180	100	11		36	1.2	0.31	0.15		36	
G41S	Ammonia as N, dissolved	mg/l	92	127	110	120	160	120		120	86	93	76		87	
R03S	Ammonia as N, dissolved	mg/l	200	180	220	140	91	90		58	88	41	13.8		34	
R42S	Ammonia as N, dissolved	mg/l	2	1.5	2.9	2.6	1.6	1		1.1	0.77	0.58	1.9		2.2	
SG1	Ammonia as N, dissolved	mg/l	0.59	0.53	1.7	1.3	2.4	2.1		1	1.1	1	0.25		0.53	
SG3	Ammonia as N, dissolved	mg/l	< 0.05	< 0.05	< 0.05	2.9	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05		< 0.09	
SG4	Ammonia as N, dissolved	mg/l	0.33	< 0.05	1	< 0.05	1.3	0.72		0.32	0.48	0.62	0.2		0.37	
G03M	Ammonia as N, total	mg/l		140				8.6					2.9			
G09D	Ammonia as N, total	mg/l		0.19				0.12					< 0.05			
G09M	Ammonia as N, total	mg/l		< 0.05				0.11					0.43			
G119	Ammonia as N, total	mg/l		< 0.05				< 0.05					< 0.05			
G130	Ammonia as N, total	mg/l		< 0.05				< 0.05					< 0.05			
G13D	Ammonia as N, total	mg/l		0.19				0.15		0.15	0.13	0.1	0.052		< 0.09	
G13S	Ammonia as N, total	mg/l		< 0.05				0.67		0.38	0.58	< 0.05	0.059		0.15	
G14D	Ammonia as N, total	mg/l		2				66					0.29			
G15S	Ammonia as N, total	mg/l		140				210					170			
G16D	Ammonia as N, total	mg/l		< 0.05				0.11					< 0.05			
G16M	Ammonia as N, total	mg/l		17				32					18			
G17S	Ammonia as N, total	mg/l		< 0.05				0.16					< 0.05			
G18D	Ammonia as N, total	mg/l		< 0.05				< 0.05					< 0.05			
G18S	Ammonia as N, total	mg/l		3.2				0.97					Q 0.059			
G20D	Ammonia as N, total	mg/l		< 0.05				< 0.05					< 0.05			
G33D	Ammonia as N, total	mg/l		< 0.05				0.13					< 0.05			
G33S	Ammonia as N, total	mg/l		< 0.05				0.12					< 0.05			
G34D	Ammonia as N, total	mg/l		< 0.05				0.15					<Q 0.05			
G34S	Ammonia as N, total	mg/l		5.82				4.1					22			
G35D	Ammonia as N, total	mg/l		4.4				36					5.4			
G35S	Ammonia as N, total	mg/l		33				72					42			
G36S	Ammonia as N, total	mg/l		< 0.05				0.14					< 0.05			
G37D	Ammonia as N, total	mg/l		0.68				0.14					<Q 0.05			
G37S	Ammonia as N, total	mg/l		< 0.05				< 0.05					0.48			
G38S	Ammonia as N, total	mg/l		46				12					58			
G39S	Ammonia as N, total	mg/l		6.73				7.3					5.8			
G40S	Ammonia as N, total	mg/l		20				19					24			
G41D	Ammonia as N, total	mg/l		16				0.24					< 0.05			
G41M	Ammonia as N, total	mg/l		120				12					0.12			
G41S	Ammonia as N, total	mg/l		110				130					75			
R03S	Ammonia as N, total	mg/l		180				76					28			
R42S	Ammonia as N, total	mg/l		1.6				1.1					1.9			
SG1	Ammonia as N, total	mg/l		0.53				2.2					0.26			
SG3	Ammonia as N, total	mg/l		< 0.05				< 0.05					< 0.05			
SG4	Ammonia as N, total	mg/l		< 0.05				0.77					0.21			
G03M	Arsenic, Dissolved	ug/l	3	5	8	7	2.1	< 1		< 1	< 1	< 1	1.7		< 1	
G09D	Arsenic, Dissolved	ug/l	< 1	1	1	< 1	< 1	< 1		< 1	< 1	< 1	1.9		< 1	
G09M	Arsenic, Dissolved	ug/l	< 1	< 1	1	< 1	< 1	< 1		< 1	< 1	< 1	< 1		1.4	
G119	Arsenic, Dissolved	ug/l	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1		< 1	
G130	Arsenic, Dissolved	ug/l	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1		< 1	
G13D	Arsenic, Dissolved	ug/l	< 1	< 1	1	< 1	< 1	< 1		< 1	< 1	< 1	< 1		< 1	
G13S	Arsenic, Dissolved	ug/l	< 1	< 1	2	1	6	2.6		3	2	1.6	1.8		1.3	
G14D	Arsenic, Dissolved	ug/l	7	14	4	10	5.4	10		11	6.1	3.9	20	3.9	7.3	

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Andrews Environmental Engineering, Inc.

Table 3A
Winnebago Reclamation Service, Inc.
Analytical Results for GMZ Parameters

Well	Parameter	Units	1stQtr02	2ndQtr02	3rdQtr02	4thQtr02	1stQtr03	2ndQtr03	2ndQtr03Re	3rdQtr03	4thQtr03	1stQtr04	2ndQtr04	2ndQtr04re	3rdQtr04	3rdQtr04re
G15S	Arsenic, Dissolved	ug/l	< 1	3	4	2	2.8	< 1		4.4	4.7	6.2	4.9		1.7	
G16D	Arsenic, Dissolved	ug/l	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1		< 1	
G16M	Arsenic, Dissolved	ug/l	< 1	< 1	2	1	< 1	< 1		< 1	< 1	< 1	< 1		< 1	
G17S	Arsenic, Dissolved	ug/l	< 1	< 1	1	< 1	< 1	< 1		< 1	< 1	< 1	< 1		< 1	
G18D	Arsenic, Dissolved	ug/l	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1		< 1	
G18S	Arsenic, Dissolved	ug/l	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1		< 1	
G20D	Arsenic, Dissolved	ug/l	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1		< 1	
G33D	Arsenic, Dissolved	ug/l	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1		< 1	
G33S	Arsenic, Dissolved	ug/l	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1		< 1	
G34D	Arsenic, Dissolved	ug/l	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1		< 1	
G34S	Arsenic, Dissolved	ug/l	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1		< 1	
G35D	Arsenic, Dissolved	ug/l	< 1	1	1	2	1.8	< 1		3.1	2.6	< 1	< 1		2.1	
G35S	Arsenic, Dissolved	ug/l	< 1	< 1	< 1	1	< 1	< 1		< 1	< 1	< 1	< 1		< 1	
G36S	Arsenic, Dissolved	ug/l	< 1	< 1	1	< 1	< 1	< 1		< 1	< 1	< 1	< 1		< 1	
G37D	Arsenic, Dissolved	ug/l	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1		< 1	
G37S	Arsenic, Dissolved	ug/l	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1		< 1	
G38S	Arsenic, Dissolved	ug/l	3	6	4	2	1.5	1.7		1.9	1.8	1.6	3.4		4.2	
G39S	Arsenic, Dissolved	ug/l	< 1	< 1	1	< 1	< 1	< 1		< 1	< 1	< 1	< 1		1.1	
G40S	Arsenic, Dissolved	ug/l	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	1		1	
G41D	Arsenic, Dissolved	ug/l	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1		< 1	
G41M	Arsenic, Dissolved	ug/l	16	22	24	25	19	9.3		15	2.4	1.9	5.5		12	
G41S	Arsenic, Dissolved	ug/l	21	25	26	31	28	25		28	28	30	31		32	
R03S	Arsenic, Dissolved	ug/l	14	16	19	17	13	12		12	12	14	16		15	
R42S	Arsenic, Dissolved	ug/l	18	18	21	25	23	16		27	12	21	42		58	
SG1	Arsenic, Dissolved	ug/l	< 1	1	2	1	< 1	1		1.3	1.1	< 1	< 1		1.4	
SG3	Arsenic, Dissolved	ug/l	< 1	< 1	1	1	< 1	< 1		1.2	1.2	< 1	< 1		1.1	
SG4	Arsenic, Dissolved	ug/l	< 1	< 1	1	< 1	< 1	< 1		1.2	< 1	< 1	< 1		1.2	
G03M	Arsenic, total	ug/l		5				< 1					< 1			
G09D	Arsenic, total	ug/l		1				1					2			
G09M	Arsenic, total	ug/l		< 1				< 1					< 1			
G119	Arsenic, total	ug/l		< 1				< 1					< 1			
G130	Arsenic, total	ug/l		< 1				< 1					< 1			
G13D	Arsenic, total	ug/l		< 1				< 1		< 1	< 1	1.2	< 1		1	
G13S	Arsenic, total	ug/l		< 1				1.9		1.8	3.4	2.4	1.6		2.4	
G14D	Arsenic, total	ug/l		12				18	12				5.7			
G15S	Arsenic, total	ug/l		2				7.6					5.1			
G16D	Arsenic, total	ug/l		< 1				< 1					1.6			
G16M	Arsenic, total	ug/l		< 1				< 1					< 1			
G17S	Arsenic, total	ug/l		< 1				< 1					< 1			
G18D	Arsenic, total	ug/l		< 1				2.1					3.2			
G18S	Arsenic, total	ug/l		66				66					130			
G20D	Arsenic, total	ug/l		< 1				< 1					1.2			
G33D	Arsenic, total	ug/l		< 1				< 1					21	5.6		
G33S	Arsenic, total	ug/l		< 1				< 1					< 1			
G34D	Arsenic, total	ug/l		< 1				1.6					4			
G34S	Arsenic, total	ug/l		< 1				< 1					< 1			
G35D	Arsenic, total	ug/l		2				1.5					5.7			
G35S	Arsenic, total	ug/l		< 1				< 1					< 1			
G36S	Arsenic, total	ug/l		< 1				< 1					< 1			
G37D	Arsenic, total	ug/l		< 1				< 1					1.3			
G37S	Arsenic, total	ug/l		< 1				< 1					< 1			
G38S	Arsenic, total	ug/l		5				1.3					3.1			
G39S	Arsenic, total	ug/l		< 1				< 1					< 1			
G40S	Arsenic, total	ug/l		< 1				< 1					< 1			
G41D	Arsenic, total	ug/l		< 1				< 1					< 1			
G41M	Arsenic, total	ug/l		23				17					32			
G41S	Arsenic, total	ug/l		23				28					30			
R03S	Arsenic, total	ug/l		14				12					13			
R42S	Arsenic, total	ug/l		16				16					43			
SG1	Arsenic, total	ug/l		< 1				1.7					< 1			
SG3	Arsenic, total	ug/l		< 1				1.4					< 1			

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Andrews Environmental Engineering, Inc.

Table 3A
Winnebago Reclamation Service, Inc.
Analytical Results for GMZ Parameters

Well	Parameter	Units	1stQtr02	2ndQtr02	3rdQtr02	4thQtr02	1stQtr03	2ndQtr03	2ndQtr03Re	3rdQtr03	4thQtr03	1stQtr04	2ndQtr04	2ndQtr04re	3rdQtr04	3rdQtr04re
SG4	Arsenic, total	ug/l		< 1				1.3					< 1			
G03M	Barium, total	ug/l		310				170					130			
G09D	Barium, total	ug/l		350				440					440			
G09M	Barium, total	ug/l		130				120					110			
G119	Barium, total	ug/l		38				32					26			
G130	Barium, total	ug/l		120				130					140			
G13D	Barium, total	ug/l		160				170		160	160	160	140		150	
G13S	Barium, total	ug/l		240				170		200	160	170	190		220	
G14D	Barium, total	ug/l		700				840					540			
G15S	Barium, total	ug/l		250				590					360			
G16D	Barium, total	ug/l		86				94					120			
G16M	Barium, total	ug/l		280				380					350			
G17S	Barium, total	ug/l		110				44					37			
G18D	Barium, total	ug/l		45				61					62			
G18S	Barium, total	ug/l		1900				1900					1900			
G20D	Barium, total	ug/l		94				89					89			
G33D	Barium, total	ug/l		85				92					170			
G33S	Barium, total	ug/l		56				63					62			
G34D	Barium, total	ug/l		38				55					100			
G34S	Barium, total	ug/l		140				190					190			
G35D	Barium, total	ug/l		400				180					260			
G35S	Barium, total	ug/l		270				280					230			
G36S	Barium, total	ug/l		150				190					180			
G37D	Barium, total	ug/l		43				45					51			
G37S	Barium, total	ug/l		46				57					67			
G38S	Barium, total	ug/l		1000				680					1100			
G39S	Barium, total	ug/l		240				260					230			
G40S	Barium, total	ug/l		220				280					320			
G41D	Barium, total	ug/l		82				50					60			
G41M	Barium, total	ug/l		440				160					170			
G41S	Barium, total	ug/l		510				220					200			
R03S	Barium, total	ug/l		500				270					270			
R42S	Barium, total	ug/l		620				460					740			
SG1	Barium, total	ug/l		< 2				60					80			
SG3	Barium, total	ug/l		76				39					71			
SG4	Barium, total	ug/l		71				50					74			
G03M	Boron, Dissolved	ug/l	930	830	1200	1100	180	100		75	79	69	120		54	
G09D	Boron, Dissolved	ug/l	49	55	57	64	40	55		32	52	29	35		62	
G09M	Boron, Dissolved	ug/l	38	33	39	37	30	21		14	43	33	27		31	
G119	Boron, Dissolved	ug/l	76	14	37	35	30	17		17	27	< 10	< 10		< 10	
G130	Boron, Dissolved	ug/l	35	< 10	29	22	40	< 10		< 10	21	< 10	< 10		16	
G13D	Boron, Dissolved	ug/l	140	95	110	120	80	90		83	79	88	63		65	
G13S	Boron, Dissolved	ug/l	250	83	120	140	120	120		110	130	88	100	100	82	
G14D	Boron, Dissolved	ug/l	140	120	110	120	110	110		84	110	90	98		91	
G15S	Boron, Dissolved	ug/l	710	400	390	430	700	1100		970	1500	980	780		480	
G16D	Boron, Dissolved	ug/l	32	21	24	21	20	13		< 10	21	< 10	< 10		14	
G16M	Boron, Dissolved	ug/l	180	86	370	600	240	130		160	190	120	87		74	
G17S	Boron, Dissolved	ug/l	59	40	56	67	60	52		60	56	40	18		32	
G18D	Boron, Dissolved	ug/l	25	13	22	26	20	16		16	27	< 10	12		12	
G18S	Boron, Dissolved	ug/l	210	76	170	200	130	210		160	240	96	70		98	
G20D	Boron, Dissolved	ug/l	26	25	39	29	40	18		11	26	< 10	15		24	
G33D	Boron, Dissolved	ug/l	98	19	17	22	20	< 10		< 10	17	< 10	< 10		12	
G33S	Boron, Dissolved	ug/l	< 10	16	21	21	20	< 10		< 10	18	< 10	< 10		15	
G34D	Boron, Dissolved	ug/l	< 10	20	24	20	20	13		< 10	17	< 10	< 10		57	
G34S	Boron, Dissolved	ug/l	27	47	57	58	50	120		150	160	100	120		120	
G35D	Boron, Dissolved	ug/l	140	290	140	600	550	170		500	110	35	50		290	
G35S	Boron, Dissolved	ug/l	300	200	160	440	450	280		290	320	220	220		200	
G36S	Boron, Dissolved	ug/l	< 10	13	23	20	20	12		< 10	27	< 10	< 10		17	
G37D	Boron, Dissolved	ug/l	10	29	31	23	30	22		18	25	< 10	< 10		15	
G37S	Boron, Dissolved	ug/l	23	41	38	42	70	64		79	95	63	83		82	
G38S	Boron, Dissolved	ug/l	320	320	180	140	110	120		180	280	150	270		400	

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Table 3A
Winnebago Reclamation Service, Inc.
Analytical Results for GMZ Parameters

Well	Parameter	Units	1stQtr02	2ndQtr02	3rdQtr02	4thQtr02	1stQtr03	2ndQtr03	2ndQtr03Re	3rdQtr03	4thQtr03	1stQtr04	2ndQtr04	2ndQtr04re	3rdQtr04	3rdQtr04re
G39S	Boron, Dissolved	ug/l	150	140	150	140	140	130		150	160	110	110		130	
G40S	Boron, Dissolved	ug/l	130	150	110	130	140	160		140	200	130	170		130	
G41D	Boron, Dissolved	ug/l	12	100	31	14	10	18		10	26	< 10	< 10		12	
G41M	Boron, Dissolved	ug/l	650	680	790	850	580	81		300	56	17	25		360	
G41S	Boron, Dissolved	ug/l	480	580	520	570	1000	700		620	530	400	380		500	
R03S	Boron, Dissolved	ug/l	1100	950	1200	990	580	410		310	280	230	180		250	
R42S	Boron, Dissolved	ug/l	120	110	86	86	60	37		36	48	23	50		79	
SG1	Boron, Dissolved	ug/l	25	< 10	32	31	50	32		37	43	10	< 10		28	
SG3	Boron, Dissolved	ug/l	21	17	25	41	15	16		29	36	< 10	18		24	
SG4	Boron, Dissolved	ug/l	24	24	30	24	50	25		33	39	< 10	18		27	
G03M	Boron, total	ug/l		800				85					68			
G09D	Boron, total	ug/l		45				39					30			
G09M	Boron, total	ug/l		33				20					41			
G119	Boron, total	ug/l		18				25					< 10			
G130	Boron, total	ug/l		17				< 10					< 10			
G13D	Boron, total	ug/l		89				78		95	79	150	68		68	
G13S	Boron, total	ug/l		84				120		110	120	200	98		88	
G14D	Boron, total	ug/l		100				97					110			
G15S	Boron, total	ug/l		380				1000					810			
G16D	Boron, total	ug/l		17				11					< 10			
G16M	Boron, total	ug/l		74				130					71			
G17S	Boron, total	ug/l		52				45					15			
G18D	Boron, total	ug/l		27				16					13			
G18S	Boron, total	ug/l		280				340					260			
G20D	Boron, total	ug/l		28				21					40			
G33D	Boron, total	ug/l		27				< 10					10			
G33S	Boron, total	ug/l		14				< 10					< 10			
G34D	Boron, total	ug/l		17				12					14			
G34S	Boron, total	ug/l		18				100					110			
G35D	Boron, total	ug/l		270				150					50			
G35S	Boron, total	ug/l		150				270					200			
G36S	Boron, total	ug/l		17				12					< 10			
G37D	Boron, total	ug/l		28				24					< 10			
G37S	Boron, total	ug/l		32				66					75			
G38S	Boron, total	ug/l		290				110					260			
G39S	Boron, total	ug/l		130				130					100			
G40S	Boron, total	ug/l		150				150					170			
G41D	Boron, total	ug/l		110				13					< 10			
G41M	Boron, total	ug/l		600				79					27			
G41S	Boron, total	ug/l		550				650					400			
R03S	Boron, total	ug/l		920				380					200			
R42S	Boron, total	ug/l		96				32					44			
SG1	Boron, total	ug/l		< 10				30					< 10			
SG3	Boron, total	ug/l		21				18					29			
SG4	Boron, total	ug/l		21				30					34			
G03M	Chloride, Dissolved	mg/l	100	370	510	260	49	41		41	37	38	35		42	
G09D	Chloride, Dissolved	mg/l	10	33	54	26	24	170		26	26	40	51		22	
G09M	Chloride, Dissolved	mg/l	160	180	37	140	160	170		200	190	190	220	250	250	
G119	Chloride, Dissolved	mg/l	30	14	27	27	26	26		27	26	21	23		23	
G130	Chloride, Dissolved	mg/l	12	13	11	13	15	22		32	24	29	32		33	
G13D	Chloride, Dissolved	mg/l	69	59	37	30	51	38		70	68	59	86		93	100
G13S	Chloride, Dissolved	mg/l	79	Q 43	42	31	36	39		39	43	46	38		60	
G14D	Chloride, Dissolved	mg/l	38	32	63	51	41	40		37	41	32	41		38	
G15S	Chloride, Dissolved	mg/l	480	310	400	310	440	710		690	760	660	510		280	
G16D	Chloride, Dissolved	mg/l	7.4	7.7	7.2	7.4	8.2	9.4		9.1	12	10	10		11	
G16M	Chloride, Dissolved	mg/l	66	23	250	180	74	43		73	75	66	27		45	
G17S	Chloride, Dissolved	mg/l	52	38	44	48	44	33		30	25	30	13		31	
G18D	Chloride, Dissolved	mg/l	30	32	30	32	32	31		30	22	22	23		27	
G18S	Chloride, Dissolved	mg/l	85	33	50	37	49	27		22	43	25	34		15	
G20D	Chloride, Dissolved	mg/l	15	18	20	26	29	28		22	35	27	32		24	
G33D	Chloride, Dissolved	mg/l	10	11	10	14	15	13		19	16	18	17		19	

Notes: A shaded box indicates a detection above the AGQS value.
A list of Laboratory Data Qualifiers is supplied in Appendix J.
Andrews Environmental Engineering, Inc.

Table 3A
Winnebago Reclamation Service, Inc.
Analytical Results for GMZ Parameters

Well	Parameter	Units	1stQtr02	2ndQtr02	3rdQtr02	4thQtr02	1stQtr03	2ndQtr03	2ndQtr03Re	3rdQtr03	4thQtr03	1stQtr04	2ndQtr04	2ndQtr04re	3rdQtr04	3rdQtr04re
G33S	Chloride, Dissolved	mg/l	9.2	8.4	9.3	9.4	13	12		14	16	16	13		17	
G34D	Chloride, Dissolved	mg/l	24	24	23	24	27	27		33	26	23	29		93	92
G34S	Chloride, Dissolved	mg/l	28	43	48	46	52	95		74	76	81	61		64	
G35D	Chloride, Dissolved	mg/l	83	210	94	200	240	45		200	40	38	40		250	
G35S	Chloride, Dissolved	mg/l	110	92	86	150	170	70		74	59	58	58		53	
G36S	Chloride, Dissolved	mg/l	11	11	11	22	26	31		34	35	34	32		32	
G37D	Chloride, Dissolved	mg/l	23	24	26	26	26	29		30	28	29	47		47	
G37S	Chloride, Dissolved	mg/l	49	64	38	41	74	65		88	86	100	120	82	72	
G38S	Chloride, Dissolved	mg/l	250	190	74	75	99	160		300	280	180	310		490	
G39S	Chloride, Dissolved	mg/l	97	100	77	98	69	3.6		100	98	96	48		100	
G40S	Chloride, Dissolved	mg/l	96	81	59	89	91	120		120	150	150	170		110	
G41D	Chloride, Dissolved	mg/l	36	36	17	13	16	20		17	28	23	24		17	
G41M	Chloride, Dissolved	mg/l	300	350	390	380	240	40		160	44	40	35		260	
G41S	Chloride, Dissolved	mg/l	190	290	250	300	320	150		140	94	96	99		150	
R03S	Chloride, Dissolved	mg/l	370	400	610	230	140	91		85	73	72	83		120	
R42S	Chloride, Dissolved	mg/l	67	75	69	99	85	84		100	83	82	160		140	
SG1	Chloride, Dissolved	mg/l	26	30	30	32	32	33		37	32	36	45		36	
SG3	Chloride, Dissolved	mg/l	29	29	25	34	28	31		36	30	36	47		35	
SG4	Chloride, Dissolved	mg/l	28	30	28	26	31	35		36	32	38	47		36	
G03M	Chloride, total	mg/l		380				39					35			
G09D	Chloride, total	mg/l		33				170	69				49			
G09M	Chloride, total	mg/l		190				170	170				220	220		
G119	Chloride, total	mg/l		14				25					22			
G130	Chloride, total	mg/l		11				21					32			
G13D	Chloride, total	mg/l		59				60		66	76	61	85		92	
G13S	Chloride, total	mg/l		50				32		38	43	49	33		70	
G14D	Chloride, total	mg/l		35				42					36			
G15S	Chloride, total	mg/l		290				740					480			
G16D	Chloride, total	mg/l		7.3				9.2					10			
G16M	Chloride, total	mg/l		23				41					51			
G17S	Chloride, total	mg/l		Q 30				29					15			
G18D	Chloride, total	mg/l		32				31					23			
G18S	Chloride, total	mg/l		33				30					35			
G20D	Chloride, total	mg/l		18				29					34			
G33D	Chloride, total	mg/l		8.6				12					17			
G33S	Chloride, total	mg/l		8.6				13					13			
G34D	Chloride, total	mg/l		25				29					24			
G34S	Chloride, total	mg/l		44				94					68			
G35D	Chloride, total	mg/l		190				46					39			
G35S	Chloride, total	mg/l		83				100					60			
G36S	Chloride, total	mg/l		11				32					36			
G37D	Chloride, total	mg/l		27				31					43			
G37S	Chloride, total	mg/l		61				67					120	85		
G38S	Chloride, total	mg/l		200				150					310			
G39S	Chloride, total	mg/l		100				3.8					37			
G40S	Chloride, total	mg/l		100				110					170			
G41D	Chloride, total	mg/l		38				18					23			
G41M	Chloride, total	mg/l		360				41					39			
G41S	Chloride, total	mg/l		290				150					95			
R03S	Chloride, total	mg/l		400				99					84			
R42S	Chloride, total	mg/l		74				86					170			
SG1	Chloride, total	mg/l		31				35					52			
SG3	Chloride, total	mg/l		31				32					45			
SG4	Chloride, total	mg/l		29				37					48			
G03M	Ethylbenzene	ug/l		< 1				< 1					< 1			
G09D	Ethylbenzene	ug/l		< 1				< 1					< 1			
G09M	Ethylbenzene	ug/l		< 1				< 1					< 1			
G119	Ethylbenzene	ug/l		< 1				< 1					< 1			
G130	Ethylbenzene	ug/l		< 1				< 1					< 1			
G13D	Ethylbenzene	ug/l		< 1				< 1		< 1	< 1	< 1	< 1		< 1	
G13S	Ethylbenzene	ug/l		< 1				< 1		< 1	< 1	< 1	< 1		< 1	

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Andrews Environmental Engineering, Inc.

Table 3A
Winnebago Reclamation Service, Inc.
Analytical Results for GMZ Parameters

Well	Parameter	Units	1stQtr02	2ndQtr02	3rdQtr02	4thQtr02	1stQtr03	2ndQtr03	2ndQtr03Re	3rdQtr03	4thQtr03	1stQtr04	2ndQtr04	2ndQtr04re	3rdQtr04	3rdQtr04re
G14D	Ethylbenzene	ug/l		7				< 1					< 1			
G15S	Ethylbenzene	ug/l		< 1				< 1					< 1			
G16D	Ethylbenzene	ug/l		< 1				< 1					< 1			
G16M	Ethylbenzene	ug/l		< 1				< 1					< 1			
G17S	Ethylbenzene	ug/l		< 1				< 1					< 1			
G18D	Ethylbenzene	ug/l		< 1				< 1					< 1			
G18S	Ethylbenzene	ug/l		< 1				< 1					< 1			
G20D	Ethylbenzene	ug/l		< 1				< 1					< 1			
G33D	Ethylbenzene	ug/l		< 1				< 1					< 1			
G33S	Ethylbenzene	ug/l		< 1				< 1					< 1			
G34D	Ethylbenzene	ug/l		< 1				< 1					< 1			
G34S	Ethylbenzene	ug/l		< 1				< 1					< 1			
G35D	Ethylbenzene	ug/l		< 1				< 1					< 1			
G35S	Ethylbenzene	ug/l		< 1				< 1					< 1			
G36S	Ethylbenzene	ug/l		< 1				< 1					< 1			
G37D	Ethylbenzene	ug/l		< 1				< 1					< 1			
G37S	Ethylbenzene	ug/l		< 1				< 1					< 1			
G38S	Ethylbenzene	ug/l		< 1				< 1					< 1			
G39S	Ethylbenzene	ug/l		< 1				< 1					< 1			
G40S	Ethylbenzene	ug/l		< 1				< 1					< 1			
G41D	Ethylbenzene	ug/l		< 1				< 1					< 1			
G41M	Ethylbenzene	ug/l		< 1				< 1					< 1			
G41S	Ethylbenzene	ug/l		< 1				< 1					< 1			
R03S	Ethylbenzene	ug/l		< 1				< 1					< 1			
R42S	Ethylbenzene	ug/l		< 1				< 1					< 1			
SG1	Ethylbenzene	ug/l		< 1				< 1					< 1			
SG3	Ethylbenzene	ug/l		< 1				< 1					< 1			
SG4	Ethylbenzene	ug/l		< 1				< 1					< 1			
G03M	Fluoride, total	mg/l		0.35				< 0.25					< 0.25			
G09D	Fluoride, total	mg/l		< 0.25				< 0.25					< 0.25			
G09M	Fluoride, total	mg/l		0.91				0.79					< 0.25			
G119	Fluoride, total	mg/l		< 0.25				< 0.25					< 0.25			
G130	Fluoride, total	mg/l		0.28				< 0.25					< 0.25			
G13D	Fluoride, total	mg/l		< 0.25				< 0.25	< 0.25	< 0.25	< 2.5	< 0.25			< 0.25	
G13S	Fluoride, total	mg/l		< 0.25				< 0.25	< 0.25	< 0.25	< 0.25	< 0.25			< 0.25	
G14D	Fluoride, total	mg/l		< 0.25				< 0.25					< 0.25			
G15S	Fluoride, total	mg/l		0.28				< 0.25					< 0.25			
G16D	Fluoride, total	mg/l		0.3				< 0.25					< 0.25			
G16M	Fluoride, total	mg/l		0.29				< 0.25					< 0.25			
G17S	Fluoride, total	mg/l		< 0.25				< 0.25					< 0.25			
G18D	Fluoride, total	mg/l		< 0.25				< 0.25					< 0.25			
G18S	Fluoride, total	mg/l		0.25				< 0.25					< 0.25			
G20D	Fluoride, total	mg/l		0.25				< 0.25					< 0.25			
G33D	Fluoride, total	mg/l		0.29				< 0.25					< 0.25			
G33S	Fluoride, total	mg/l		0.3				< 0.25					< 0.25			
G34D	Fluoride, total	mg/l		< 0.25				< 0.25					< 0.25			
G34S	Fluoride, total	mg/l		< 0.25				< 0.25					< 0.25			
G35D	Fluoride, total	mg/l		0.25				< 0.25					< 0.25			
G35S	Fluoride, total	mg/l		< 0.25				0.25					< 0.25			
G36S	Fluoride, total	mg/l		0.29				< 0.25					< 0.25			
G37D	Fluoride, total	mg/l		< 0.25				< 0.25					< 0.25			
G37S	Fluoride, total	mg/l		< 0.25				< 0.25					< 0.25			
G38S	Fluoride, total	mg/l		< 0.25				< 0.25					< 0.25			
G39S	Fluoride, total	mg/l		< 0.25				< 0.25					< 0.25			
G40S	Fluoride, total	mg/l		< 0.25				< 0.25					< 0.25			
G41D	Fluoride, total	mg/l		0.27				< 0.25					< 0.25			
G41M	Fluoride, total	mg/l		< 0.25				< 0.25					< 0.25			
G41S	Fluoride, total	mg/l		< 0.25				0.32					0.263			
R03S	Fluoride, total	mg/l		0.34				0.29					< 0.25			
R42S	Fluoride, total	mg/l		< 0.25				< 0.25					0.281			
SG1	Fluoride, total	mg/l		0.3				< 0.25					0.277			

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Andrews Environmental Engineering, Inc.

Table 3A
Winnebago Reclamation Service, Inc.
Analytical Results for GMZ Parameters

Well	Parameter	Units	1stQtr02	2ndQtr02	3rdQtr02	4thQtr02	1stQtr03	2ndQtr03	2ndQtr03Re	3rdQtr03	4thQtr03	1stQtr04	2ndQtr04	2ndQtr04re	3rdQtr04	3rdQtr04re
SG3	Fluoride, total	mg/l		0.32				< 0.25					0.26			
SG4	Fluoride, total	mg/l		0.29				< 0.25					0.275			
G03M	Nitrate as N, dissolved	mg/l	< 0.02	< 0.2	< 0.02	< 0.02	1.6	5.5		7	8.8	7.8	8.6		8.2	
G09D	Nitrate as N, dissolved	mg/l	< 0.02	< 0.2	< 0.02	0.046	< 0.02	< 0.02		0.044	0.042	0.13	< 0.02		0.05	
G09M	Nitrate as N, dissolved	mg/l	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.048		< 0.02	< 0.2	3.9	0.057		< 0.02	
G119	Nitrate as N, dissolved	mg/l	14	10	15	14	15	15		15	13	12	14		H 35	
G130	Nitrate as N, dissolved	mg/l	6	4.7	4.2	6.8	9	9.9		12	12	11	H 10		11	
G13D	Nitrate as N, dissolved	mg/l	4.1	1.1	1.6	4	< 0.02	0.055		0.25	0.03	< 0.02	0.06		0.11	
G13S	Nitrate as N, dissolved	mg/l	0.42	Q 6.1	< 0.02	0.28	< 0.02	0.075		0.049	0.034	0.24	< 0.02		< 0.02	
G14D	Nitrate as N, dissolved	mg/l	< 0.1	0.05	< 0.02	< 0.02	< 0.02	< 0.02		0.048	0.031	< 0.02	0.041		0.071	
G15S	Nitrate as N, dissolved	mg/l	< 0.02	H< 0.2	< 0.02	0.045	< 0.02	0.61		0.047	0.26	< 0.02	< 0.02		< 0.02	
G16D	Nitrate as N, dissolved	mg/l	2.3	2.4	2.1	2.2	2.6	2.5		3.1	3.8	H 2.1	3.6		3.4	
G16M	Nitrate as N, dissolved	mg/l	2.9	3.8	< 0.02	0.062	3	4.2		3.8	3	H 4.6	4.1		7.8	
G17S	Nitrate as N, dissolved	mg/l	1.2	1.8	3.8	4.5	6.5	4.2		1.3	9.8	H 0.83	3.3		3.2	
G18D	Nitrate as N, dissolved	mg/l	10	10	9.6	10	10	9.7		9.4	8.5	H 7.9	7.4		7.2	
G18S	Nitrate as N, dissolved	mg/l	8.8	6.5	4.4	6.3	2.8	H 37		3	< 0.2	H 6	13		0.44	
G20D	Nitrate as N, dissolved	mg/l	3.6	3.7	4.4	5	5.2	4.5		0.43	6	4.6	4.8		5.1	
G33D	Nitrate as N, dissolved	mg/l	3.9	3.7	4.1	6.1	8.3	7.4		0.97	8.5	9	9.6		9.5	
G33S	Nitrate as N, dissolved	mg/l	3.1	3.2	3.6	3.4	6.7	6.5		0.76	8.9	7.8	7.7		9.1	
G34D	Nitrate as N, dissolved	mg/l	9.3	9.5	9	8.8	9	7.9		8.8	8.7	H 8.9	9		5.5	
G34S	Nitrate as N, dissolved	mg/l	7.5	6.2	5.8	6.2	6.6	2		2.6	2.7	3.5	4.3		5.5	
G35D	Nitrate as N, dissolved	mg/l	3	0.08	3.3	< 0.2	< 0.02	< 0.02		< 0.02	0.38	6.2	7.2		< 0.02	
G35S	Nitrate as N, dissolved	mg/l	0.14	0.1	0.18	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	H< 0.02	< 0.02		0.6	
G36S	Nitrate as N, dissolved	mg/l	5.2	5.2	5	8.9	10	11		12	12	12	11		11	
G37D	Nitrate as N, dissolved	mg/l	H 10	9.7	10	8.8	10	11		11	10	8.7	8		8	
G37S	Nitrate as N, dissolved	mg/l	6.1	1.9	4.4	5	3.8	4.4		2.8	1.8	1.5	H 1.1		0.55	
G38S	Nitrate as N, dissolved	mg/l	R 0.58	0.07	< 0.02	0.61	2.9	3		1.3	1.4	2.5	1.6		< 0.02	
G39S	Nitrate as N, dissolved	mg/l	0.17	< 0.02	< 0.02	0.2	< 0.02	< 0.02		0.043	< 0.02	< 0.02	0.078		0.065	
G40S	Nitrate as N, dissolved	mg/l	0.36	1.1	4	1.5	0.5	0.14		0.075	< 0.2	H< 0.02	0.41		0.92	
G41D	Nitrate as N, dissolved	mg/l	Q 18	3.4	5.5	5.4	5.2	6.8		4.6	8.8	7.2	8.6		5	
G41M	Nitrate as N, dissolved	mg/l	0.07	0.06	< 0.02	< 0.02	< 0.02	0.52		0.051	7.8	6.6	3.6		0.075	
G41S	Nitrate as N, dissolved	mg/l	0.32	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		0.043	0.033	< 0.02	< 0.02		< 0.02	
R03S	Nitrate as N, dissolved	mg/l	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	H< 0.02		0.043	< 0.2	< 0.02	< 0.02		< 0.02	
R42S	Nitrate as N, dissolved	mg/l	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	0.034	< 0.02	0.063		< 0.02	
SG1	Nitrate as N, dissolved	mg/l	5.8	11	5.2	4.5	4.9	2.1		2.8	2.2	H 3.9	16		12	
SG3	Nitrate as N, dissolved	mg/l	6.7	11	5.3	4.1	4.7	2.1		2.7	1.7	H 4	16		12	
SG4	Nitrate as N, dissolved	mg/l	6.4	11	5.1	4.5	5.1	2.3		3	2.1	H 4	16		12	
G03M	Nitrate as N, total	mg/l		< 0.2				5.3					8.6			
G09D	Nitrate as N, total	mg/l		< 0.2				< 0.02					< 0.02			
G09M	Nitrate as N, total	mg/l		< 0.02				0.054					0.047			
G119	Nitrate as N, total	mg/l		10				14					14			
G130	Nitrate as N, total	mg/l		4.5				9.9					H 10			
G13D	Nitrate as N, total	mg/l		1.4				0.054		0.24	< 0.02	< 0.02	0.05		0.076	
G13S	Nitrate as N, total	mg/l		6.9				0.078		0.048	< 0.02	0.17	0.068		< 0.02	
G14D	Nitrate as N, total	mg/l		< 0.02				< 0.02					< 0.02			
G15S	Nitrate as N, total	mg/l		H< 0.2				0.63					< 0.02			
G16D	Nitrate as N, total	mg/l		2.6				2.8					3.6			
G16M	Nitrate as N, total	mg/l		3.8				4					H 8.6			
G17S	Nitrate as N, total	mg/l		1.5				3.9					H 3.6			
G18D	Nitrate as N, total	mg/l		11				9.6					7.5			
G18S	Nitrate as N, total	mg/l		7				H 27					13			
G20D	Nitrate as N, total	mg/l		3.8				4.5					5			
G33D	Nitrate as N, total	mg/l		3.6				7.3					9.6			
G33S	Nitrate as N, total	mg/l		3.3				7.1					8.3			
G34D	Nitrate as N, total	mg/l		9.3				8.2					8.8			
G34S	Nitrate as N, total	mg/l		6				2.2					4.1			
G35D	Nitrate as N, total	mg/l		0.07				< 0.02					7.1			
G35S	Nitrate as N, total	mg/l		0.09				8.2					< 0.02			
G36S	Nitrate as N, total	mg/l		5.3				11					12	12		
G37D	Nitrate as N, total	mg/l		11				11					7.7			
G37S	Nitrate as N, total	mg/l		1.8				4.6					H 1			

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Andrews Environmental Engineering, Inc.

Table 3A
Winnebago Reclamation Service, Inc.
Analytical Results for GMZ Parameters

Well	Parameter	Units	1stQtr02	2ndQtr02	3rdQtr02	4thQtr02	1stQtr03	2ndQtr03	2ndQtr03Re	3rdQtr03	4thQtr03	1stQtr04	2ndQtr04	2ndQtr04re	3rdQtr04	3rdQtr04re
G38S	Nitrate as N, total	mg/l		0.09				3					1.7			
G39S	Nitrate as N, total	mg/l		< 0.02				< 0.02					0.075			
G40S	Nitrate as N, total	mg/l		1.1				0.13					< 0.02			
G41D	Nitrate as N, total	mg/l		4.9				6.2					8.2			
G41M	Nitrate as N, total	mg/l		< 0.02				0.32					3.8			
G41S	Nitrate as N, total	mg/l		< 0.02				< 0.02					< 0.02			
R03S	Nitrate as N, total	mg/l		< 0.02				H< 0.02					0.041			
R42S	Nitrate as N, total	mg/l		< 0.02				< 0.02					< 0.02			
SG1	Nitrate as N, total	mg/l		11				1.8					16			
SG3	Nitrate as N, total	mg/l		11				2.1					16			
SG4	Nitrate as N, total	mg/l		11				2.5					15			
G03M	Potassium, total	mg/l		63				13					5.8			
G09D	Potassium, total	mg/l		0.64				1					0.57			
G09M	Potassium, total	mg/l		0.6				0.68					0.76			
G119	Potassium, total	mg/l		0.76				1.5					1.2			
G130	Potassium, total	mg/l		0.56				0.74					0.78			
G13D	Potassium, total	mg/l		11				10		9	6.1	9.8	4.7		5.4	
G13S	Potassium, total	mg/l		23				11		11	10	9.2	10		8.6	
G14D	Potassium, total	mg/l		2.4				2.7					3.4			
G15S	Potassium, total	mg/l		48				110					83			
G16D	Potassium, total	mg/l		0.92				1.1					2.1			
G16M	Potassium, total	mg/l		10				19					14			
G17S	Potassium, total	mg/l		1.4				2.2					1.9			
G18D	Potassium, total	mg/l		2.6				3.4					3.5			
G18S	Potassium, total	mg/l		34				51					74			
G20D	Potassium, total	mg/l		2.6				2.5					2.4			
G33D	Potassium, total	mg/l		0.7				0.92					4.8			
G33S	Potassium, total	mg/l		0.61				0.65					0.61			
G34D	Potassium, total	mg/l		1.6				2.9					5.3			
G34S	Potassium, total	mg/l		4.8				5.1					11			
G35D	Potassium, total	mg/l		24				25					10			
G35S	Potassium, total	mg/l		19				27					20			
G36S	Potassium, total	mg/l		0.65				0.94					0.9			
G37D	Potassium, total	mg/l		2				2.2					2.7			
G37S	Potassium, total	mg/l		3.1				4.8					5.1			
G38S	Potassium, total	mg/l		25				12					29			
G39S	Potassium, total	mg/l		8.6				9.5					8.9			
G40S	Potassium, total	mg/l		16				19					22			
G41D	Potassium, total	mg/l		6.5				1.3					1			
G41M	Potassium, total	mg/l		49				10					2.9			
G41S	Potassium, total	mg/l		53				56					46			
R03S	Potassium, total	mg/l		81				44					25			
R42S	Potassium, total	mg/l		0.61				0.63					1			
SG1	Potassium, total	mg/l		1.1				2.5					1.4			
SG3	Potassium, total	mg/l		1				1.3					1.1			
SG4	Potassium, total	mg/l		0.77				1.8					1.3			
G03M	Sodium, total	mg/l		170				17					13			
G09D	Sodium, total	mg/l		17				85					24			
G09M	Sodium, total	mg/l		65				68					74			
G119	Sodium, total	mg/l		5.4				7.6					6.9			
G130	Sodium, total	mg/l		4.5				4.6					9.3			
G13D	Sodium, total	mg/l		23				32		34	35	35	40		43	
G13S	Sodium, total	mg/l		18				22		22	24	36	33		42	
G14D	Sodium, total	mg/l		14				12					15			
G15S	Sodium, total	mg/l		140				350					240			
G16D	Sodium, total	mg/l		4.1				4.4					4.6			
G16M	Sodium, total	mg/l		14				27					20			
G17S	Sodium, total	mg/l		20				19					10			
G18D	Sodium, total	mg/l		10				11					8			
G18S	Sodium, total	mg/l		22				30					22			
G20D	Sodium, total	mg/l		4.7				6.6					6.3			

Notes: A shaded box indicates a detection above the AGQS value.
A list of Laboratory Data Qualifiers is supplied in Appendix J.
Andrews Environmental Engineering, Inc.

Table 3A
Winnebago Reclamation Service, Inc.
Analytical Results for GMZ Parameters

Well	Parameter	Units	1stQtr02	2ndQtr02	3rdQtr02	4thQtr02	1stQtr03	2ndQtr03	2ndQtr03Re	3rdQtr03	4thQtr03	1stQtr04	2ndQtr04	2ndQtr04re	3rdQtr04	3rdQtr04re
G33D	Sodium, total	mg/l		3.9				4.3					6.6			
G33S	Sodium, total	mg/l		4.5				4.2					4.4			
G34D	Sodium, total	mg/l		6.1				4.1					3.3			
G34S	Sodium, total	mg/l		12				42					30			
G35D	Sodium, total	mg/l		83				25					14			
G35S	Sodium, total	mg/l		42				61					39			
G36S	Sodium, total	mg/l		4.1				9.8					11			
G37D	Sodium, total	mg/l		7.6				9.4					9.9			
G37S	Sodium, total	mg/l		15				25					45			
G38S	Sodium, total	mg/l		97				44					94			
G39S	Sodium, total	mg/l		47				47					45			
G40S	Sodium, total	mg/l		45				52					62			
G41D	Sodium, total	mg/l		17				6.3					8.1			
G41M	Sodium, total	mg/l		160				16					13			
G41S	Sodium, total	mg/l		150				95					51			
R03S	Sodium, total	mg/l		210				58					30			
R42S	Sodium, total	mg/l		50				29					43			
SG1	Sodium, total	mg/l		9.9				16					14			
SG3	Sodium, total	mg/l		9.4				14					13			
SG4	Sodium, total	mg/l		8.9				15					13			
G03M	Tetrahydrofuran	ug/l		34				< 5					< 5			
G09D	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
G09M	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
G119	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
G130	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
G13D	Tetrahydrofuran	ug/l		< 5				< 5		< 5	< 5	< 5	< 5		< 5	
G13S	Tetrahydrofuran	ug/l		20				< 5		< 5	< 5	< 5	< 5		< 5	
G14D	Tetrahydrofuran	ug/l		5				< 5					< 5			
G15S	Tetrahydrofuran	ug/l		91				85	74				56			
G16D	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
G16M	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
G17S	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
G18D	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
G18S	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
G20D	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
G33D	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
G33S	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
G34D	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
G34S	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
G35D	Tetrahydrofuran	ug/l		18				< 5					< 5			
G35S	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
G36S	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
G37D	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
G37S	Tetrahydrofuran	ug/l		< 5				< 5					8			
G38S	Tetrahydrofuran	ug/l		10				12	22				17			
G39S	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
G40S	Tetrahydrofuran	ug/l		< 5				< 5					8			
G41D	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
G41M	Tetrahydrofuran	ug/l		32				< 5					< 5			
G41S	Tetrahydrofuran	ug/l		26				9	10				< 5			
R03S	Tetrahydrofuran	ug/l		34				6	< 5				< 5			
R42S	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
SG1	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
SG3	Tetrahydrofuran	ug/l		< 5				< 5					< 5			
SG4	Tetrahydrofuran	ug/l		< 5				< 5					< 5			

Notes: A shaded box indicates a detection above the AGQS value.
A list of Laboratory Data Qualifiers is supplied in Appendix J.
Andrews Environmental Engineering, Inc.

Table 4A**Winnebago Reclamation Service****Arsenic Concentrations - Second Quarter 2004**

Well	Total	Dissolved	Well	Total	Dissolved
G03M	< 1	1.7	G36S	< 1	< 1
G09D	2	1.9	G37D	1.3	< 1
G09M	< 1	< 1	G37S	< 1	< 1
G10S	34	2	G38S	3.1	3.4
G119	< 1	< 1	G39S	< 1	< 1
G11D	< 1	< 1	G40S	< 1	< 1
G130	< 1	< 1	G41D	< 1	< 1
G13D	< 1	< 1	G41M	32	5.5
G13S	1.6	1.8	G41S	30	31
G14D	5.7	3.9	R03S	13	16
G15S	5.1	4.9	R11S	< 1	< 1
G16D	1.6	1	R22S	1.7	2.2
G16M	< 1	< 1	R24D	< 1	< 1
G17S	< 1	< 1	R25D	< 1	< 1
G18D	3.2	< 1	R27D	< 1	< 1
G18S	130	< 1	R28D	< 1	< 1
G20D	1.2	< 1	R42S	43	42
G22D	1.2	1.5	SG1	< 1	< 1
G23D	4.5	< 1	SG3	< 1	< 1
G26D	< 1	< 1	SG4	< 1	< 1
G26S	< 1	< 1	MW-12-03	10	< 1
G29D	1.6	< 1	MW-14-03	< 1	< 1
G29S	< 1	< 1	MW-16-04	31	< 1
G33D	5.6	< 1	MW-21-04	53	1.5
G33S	< 1	< 1	MW-24-04	2.6	< 1
G34D	4	< 1	MW-3S-03	12	< 1
G34S	< 1	< 1	MW-4S-03	6.5	< 1
G35D	5.7	< 1	MW-5S-03	38	< 1
G35S	< 1	< 1	MW-7S-03	2.6	1.2

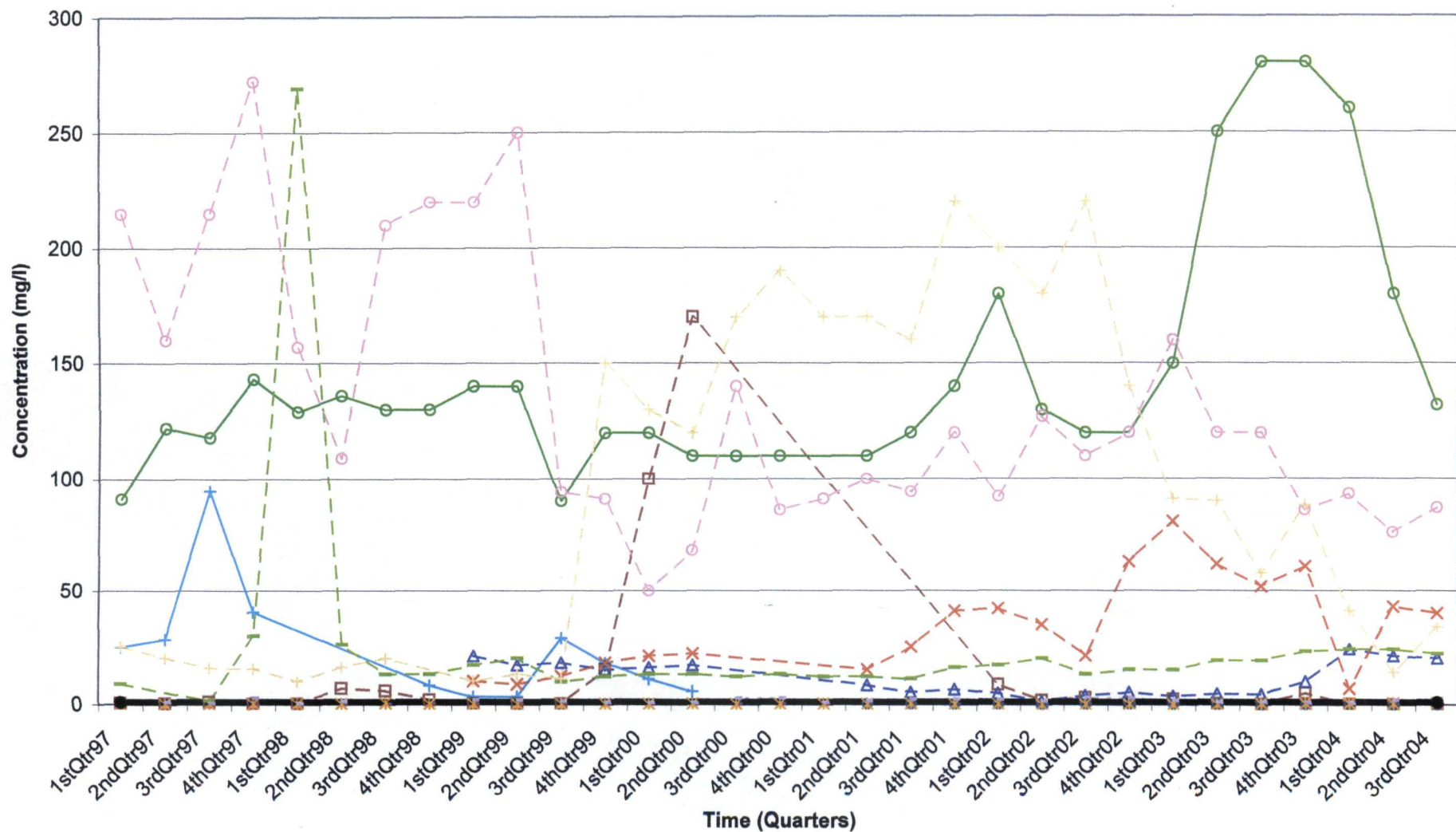
< 1 = non-detect at 1 ug/l

Appendices

Appendix A

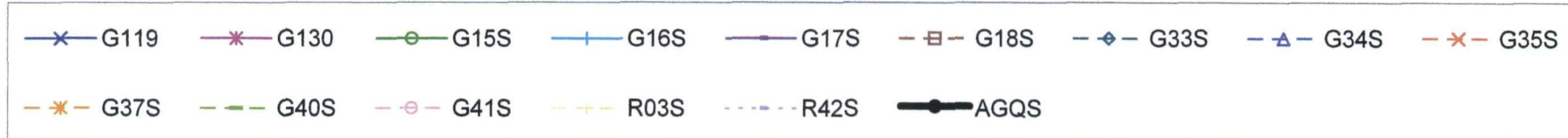
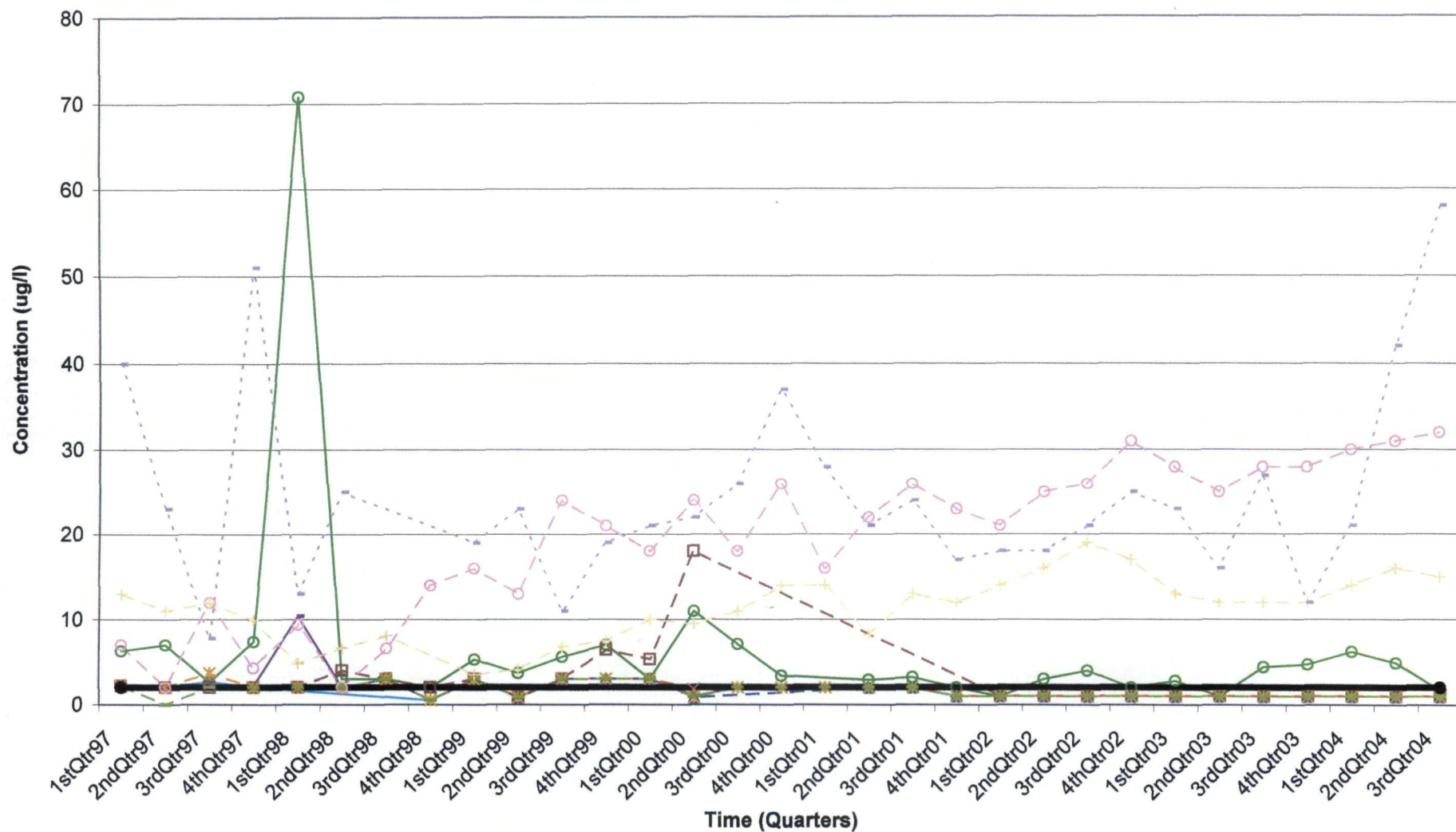
Upper Zone Graphs

Winnebago Reclamation - Upper Zone Wells Ammonia as N, dissolved

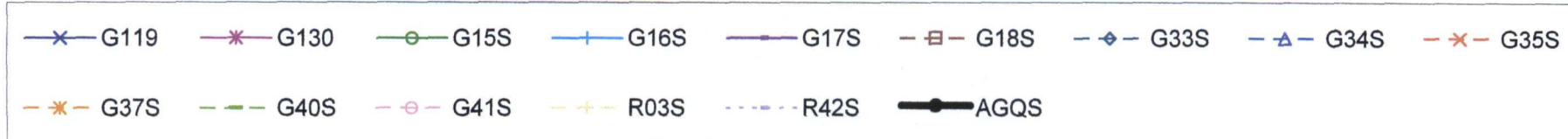
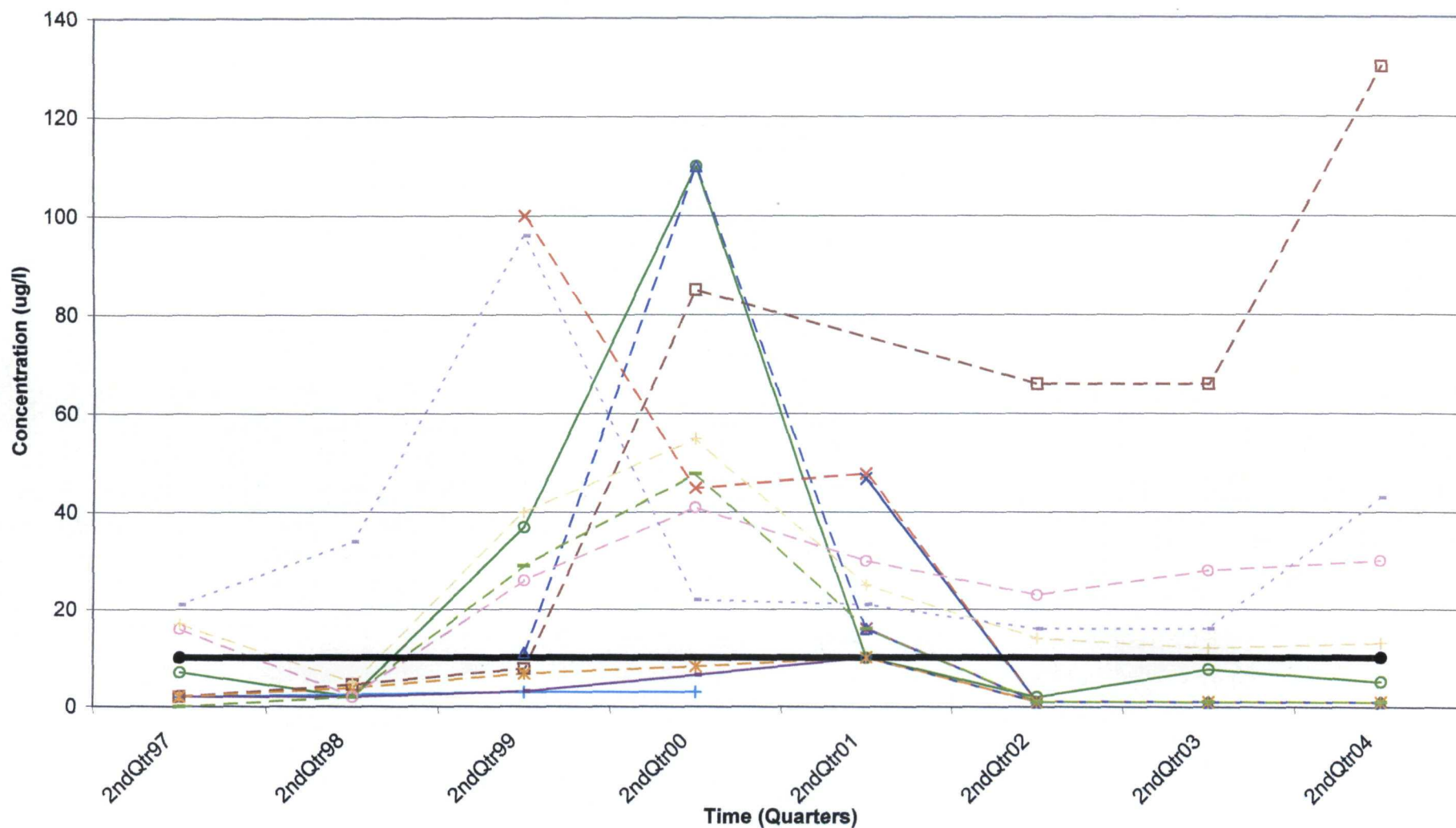


—x— G119	—*— G130	—o— G15S	—+— G16S	—●— G17S	—□— G18S	—◇— G33S	—△— G34S	—x— G35S
—*— G37S	—-— G40S	—o— G41S	—+— R03S	—-— R42S	—●— AGQS			

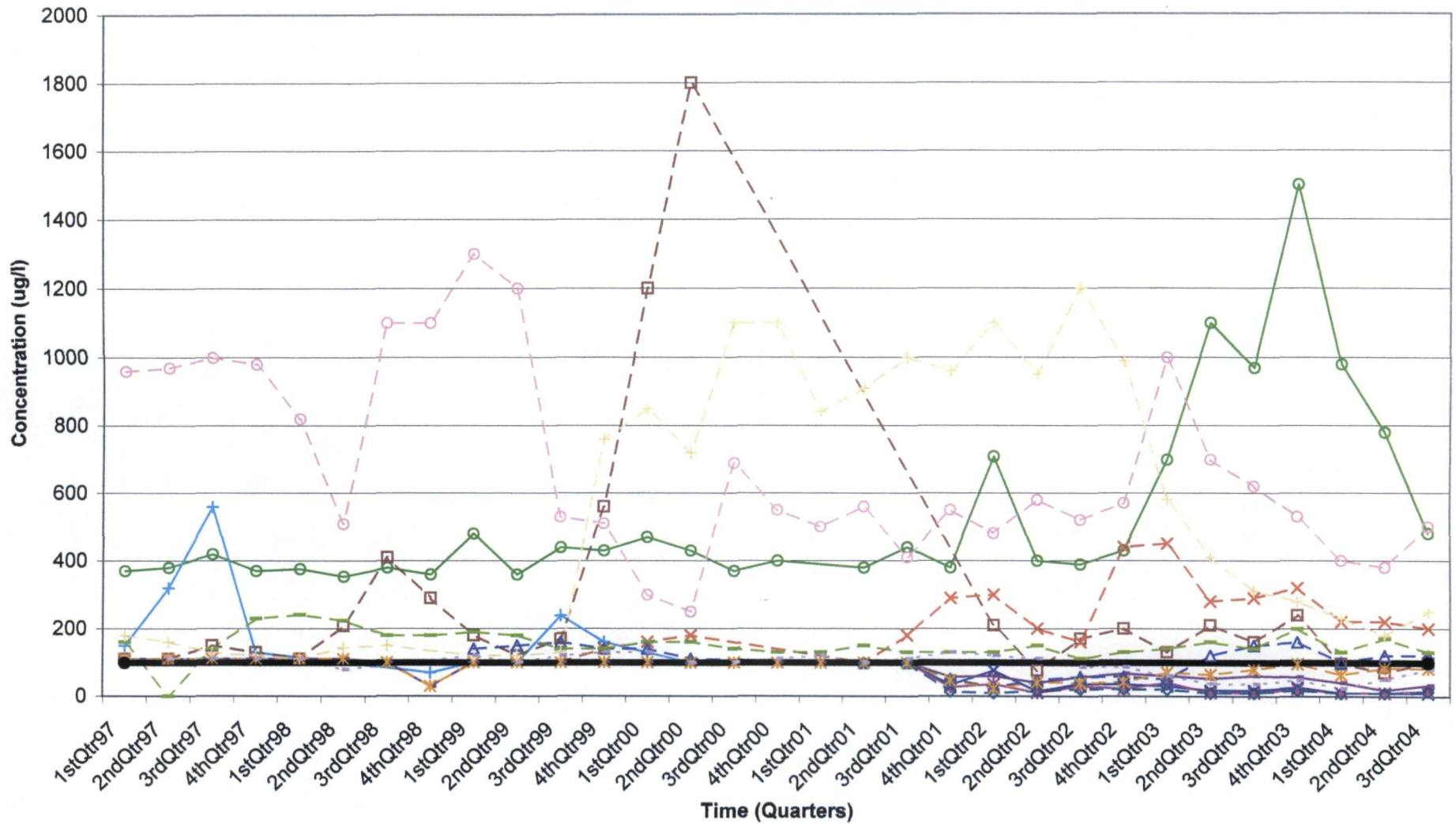
Winnebago Reclamation - Upper Zone Wells Dissolved Arsenic



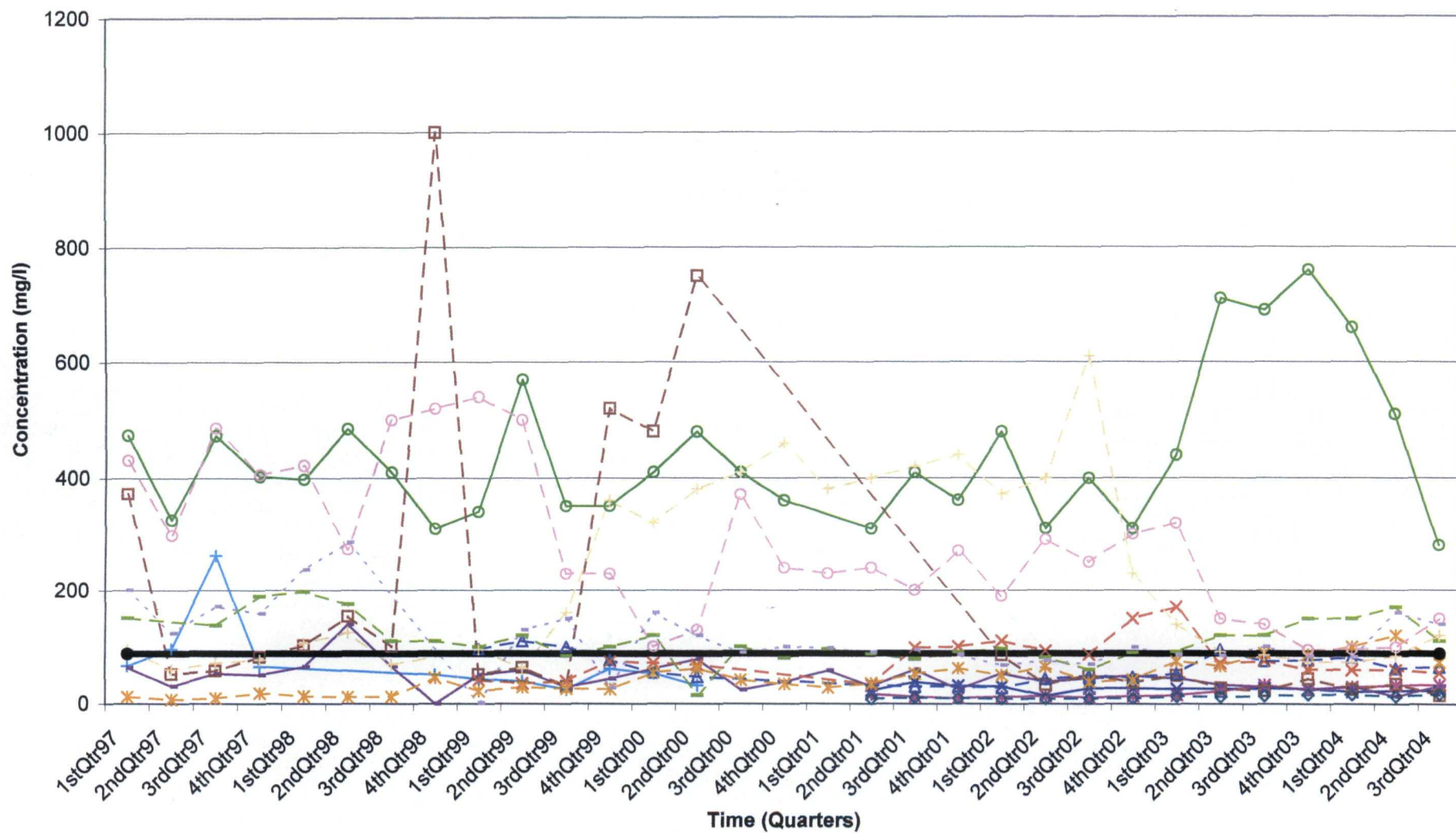
Winnebago Reclamation - Upper Zone Wells Total Arsenic



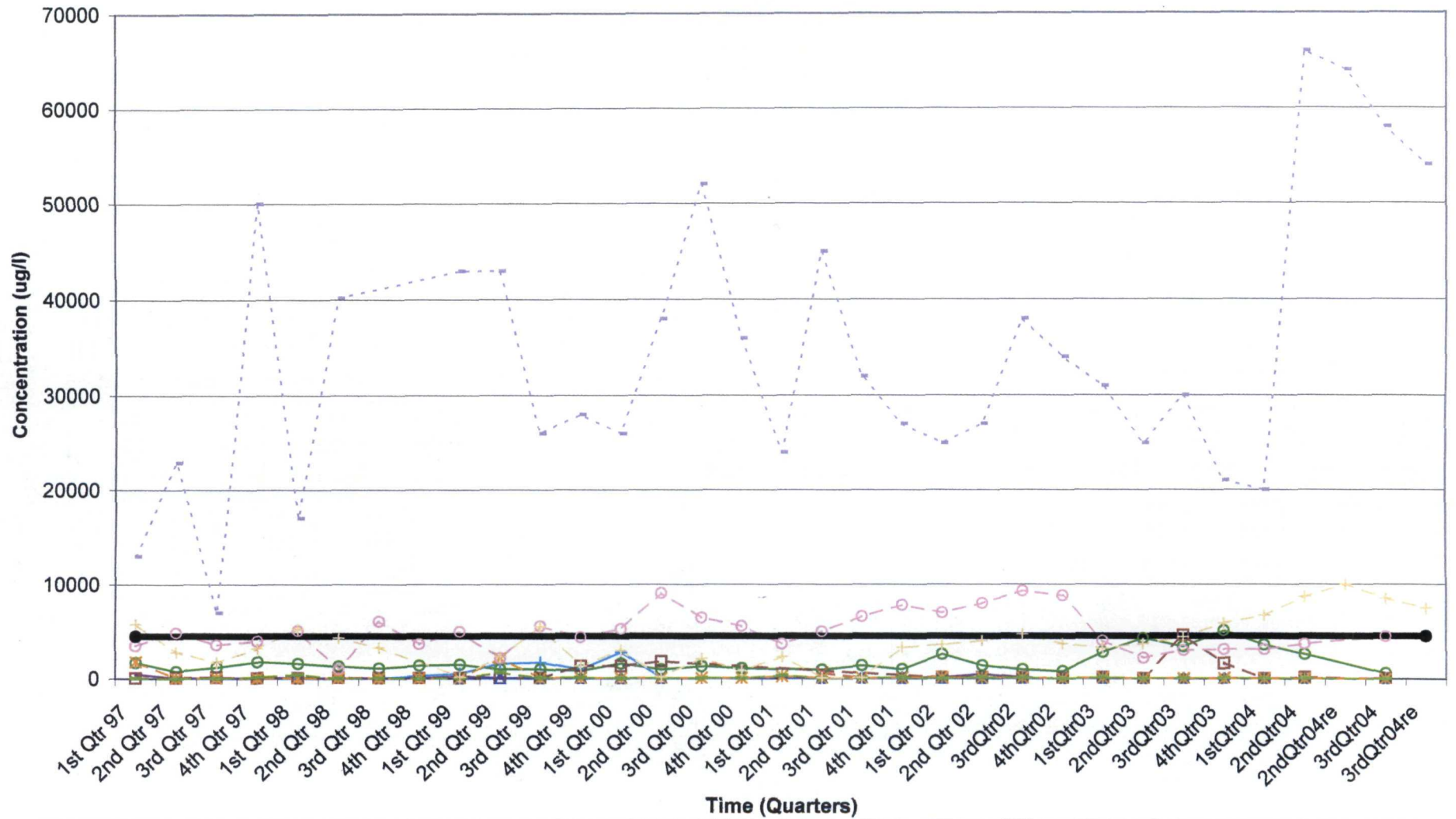
Winnebago Reclamation - Upper Zone Wells Dissolved Boron



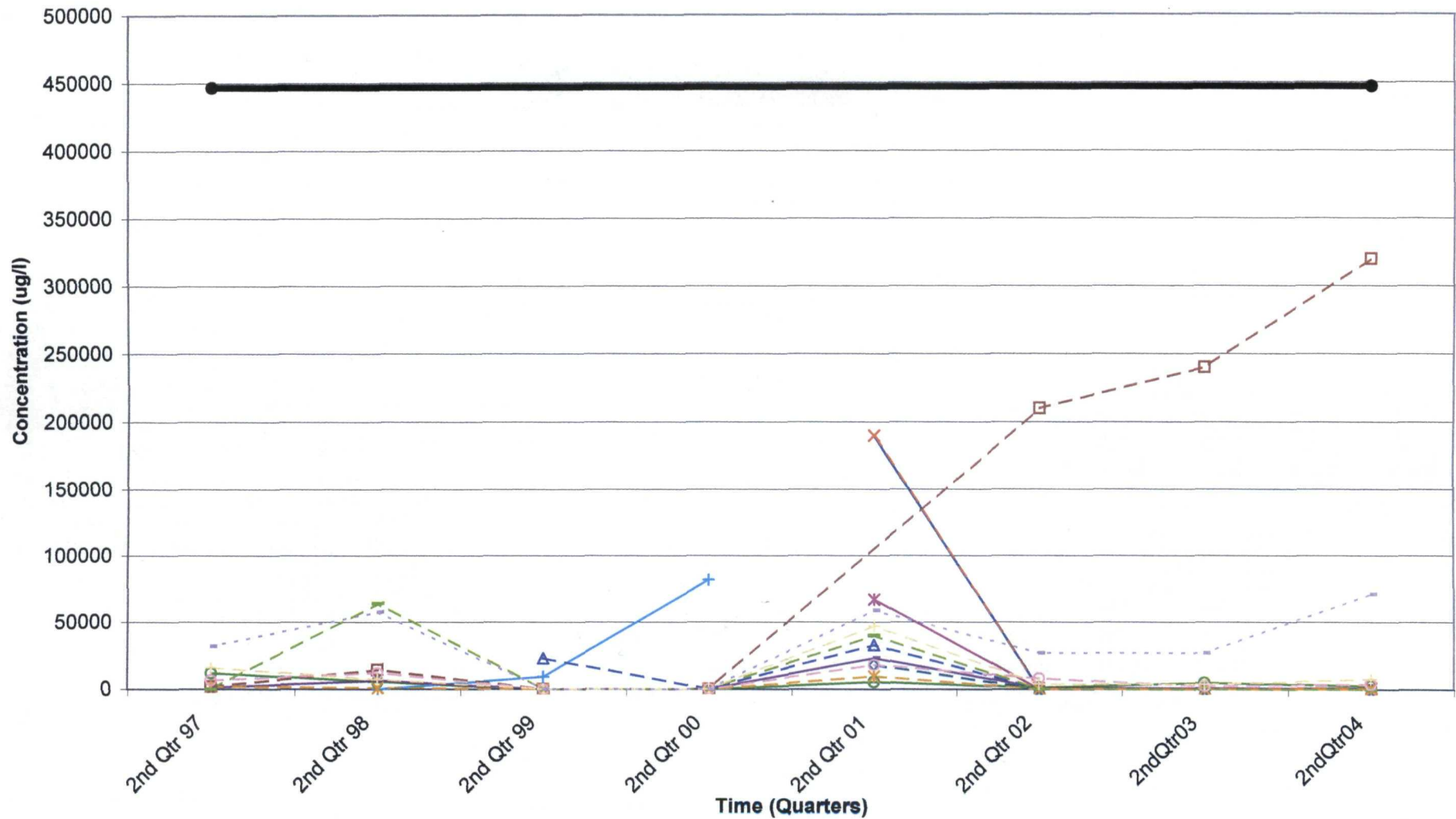
Winnebago Reclamation - Upper Zone Wells Dissolved Chloride



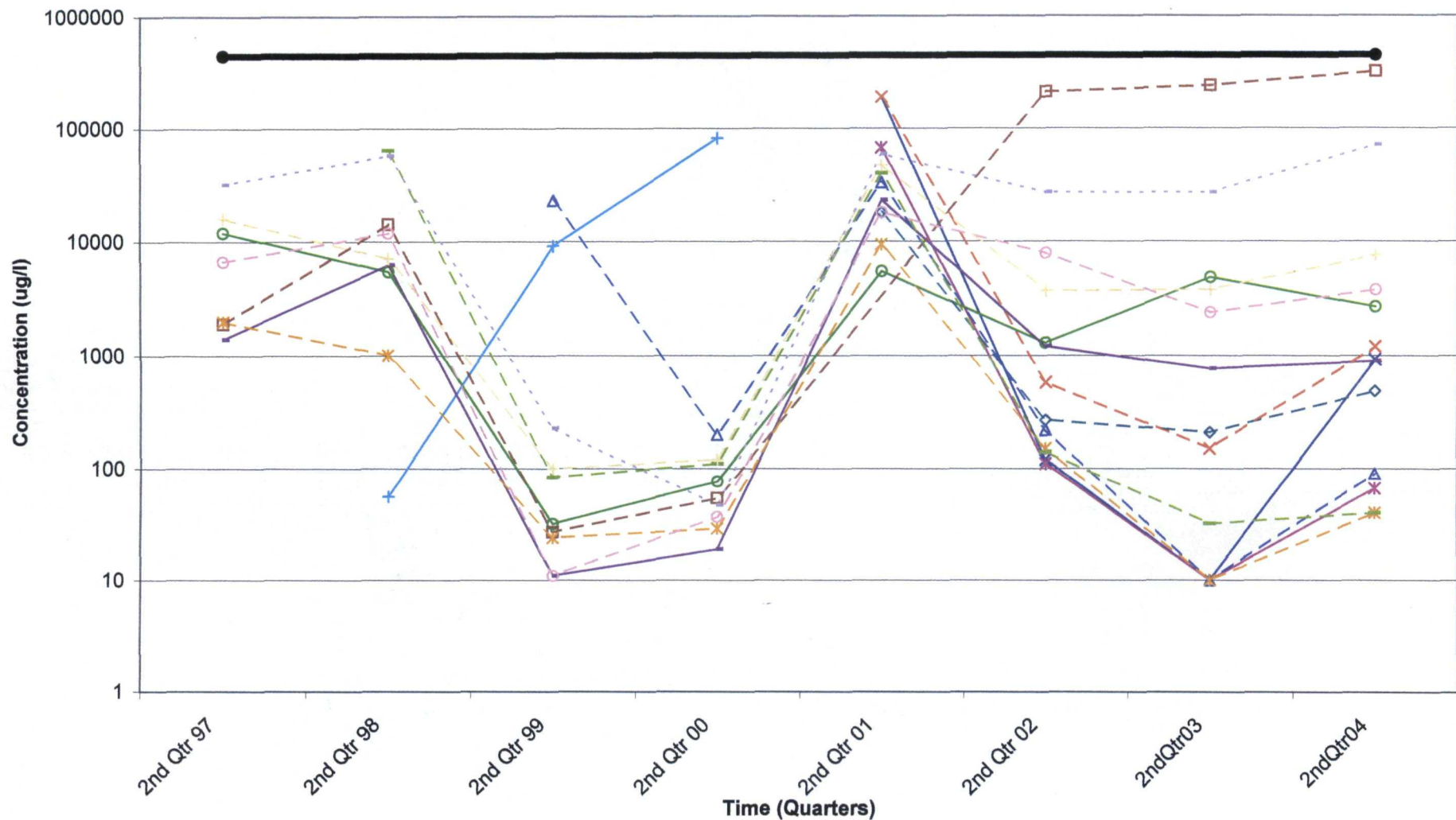
Winnebago Reclamation - Upper Zone Wells Dissolved Iron



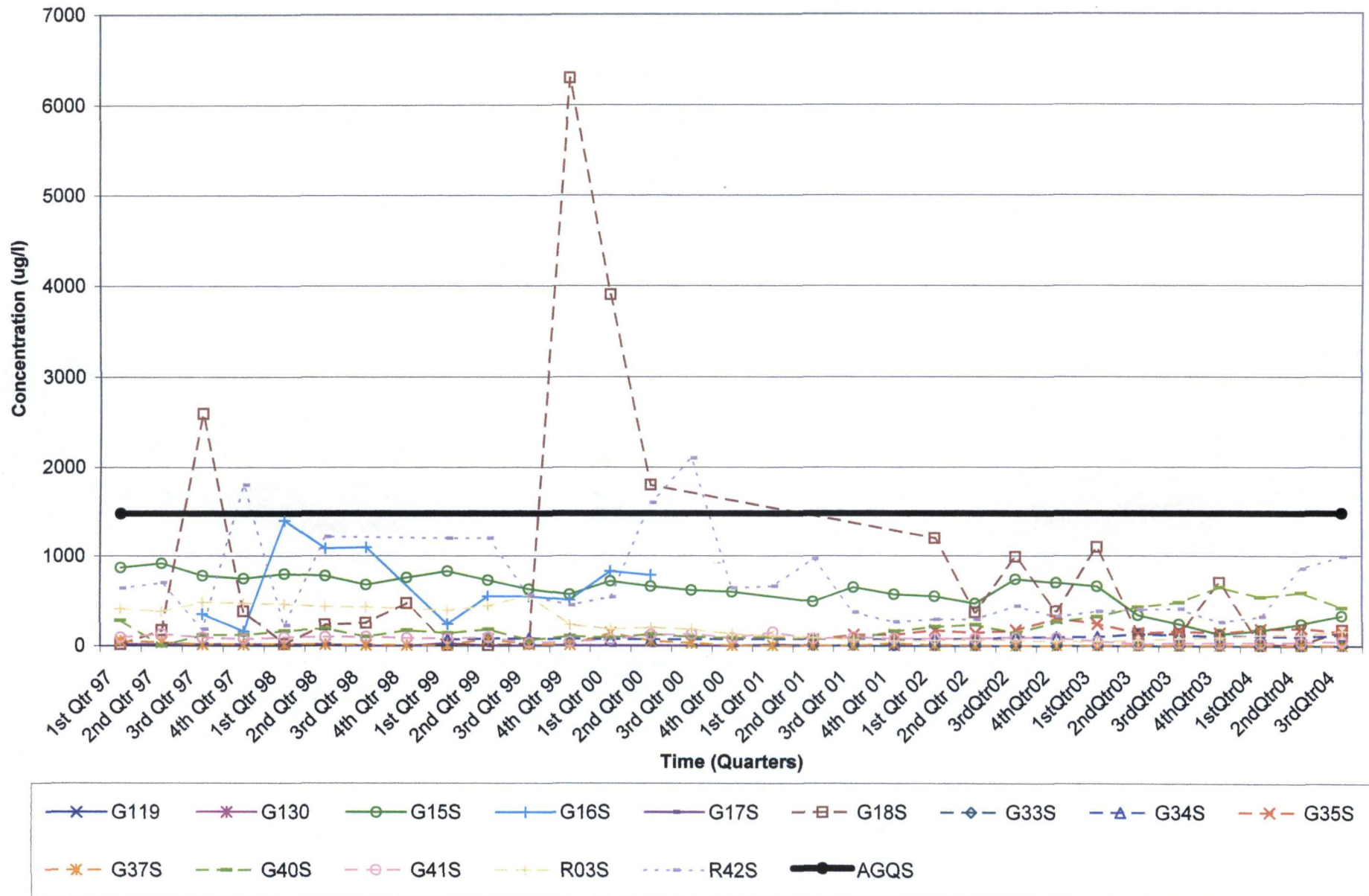
Winnebago Reclamation - Upper Zone Wells Total Iron



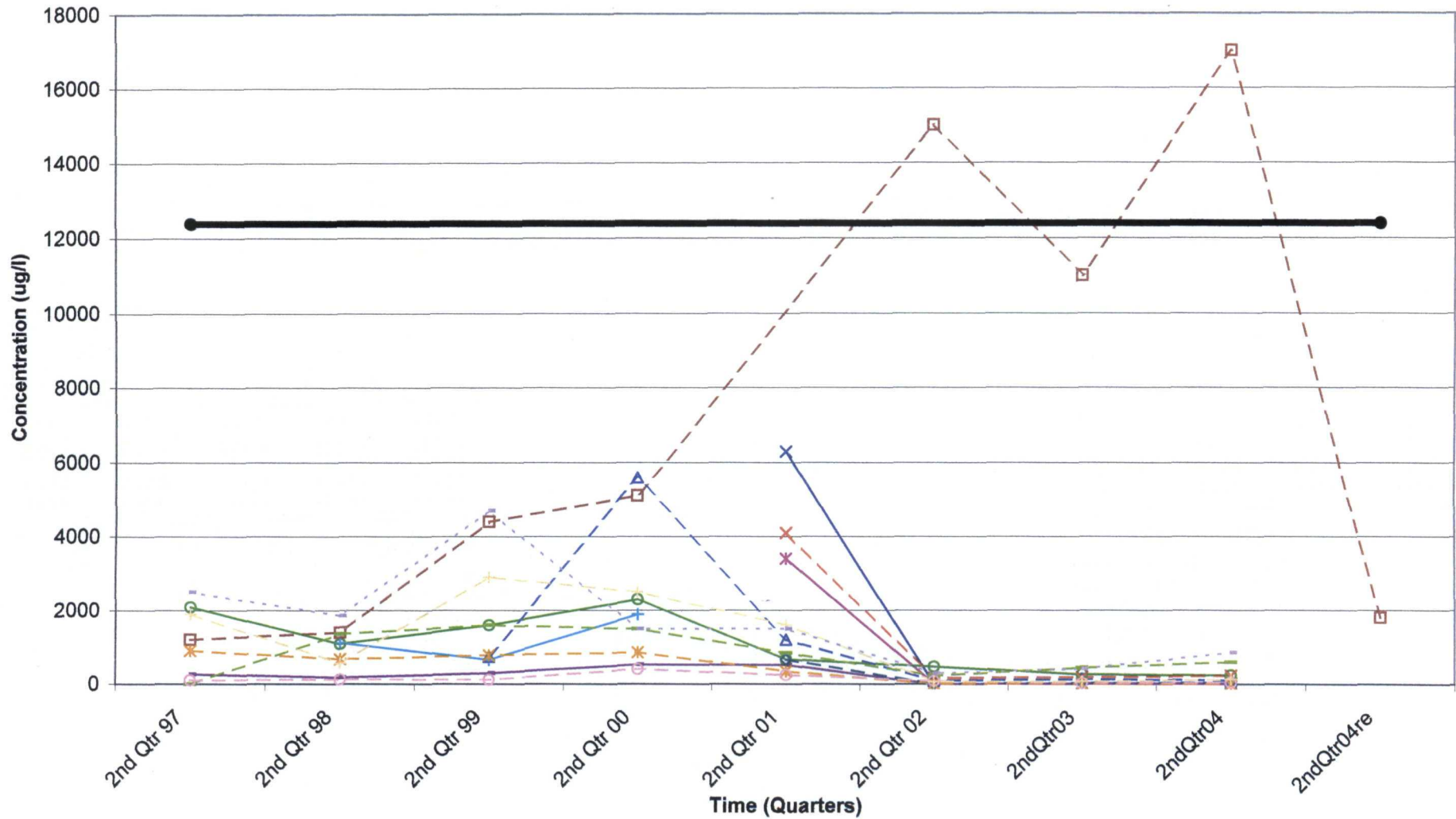
Winnebago Reclamation - Upper Zone Wells Total Iron



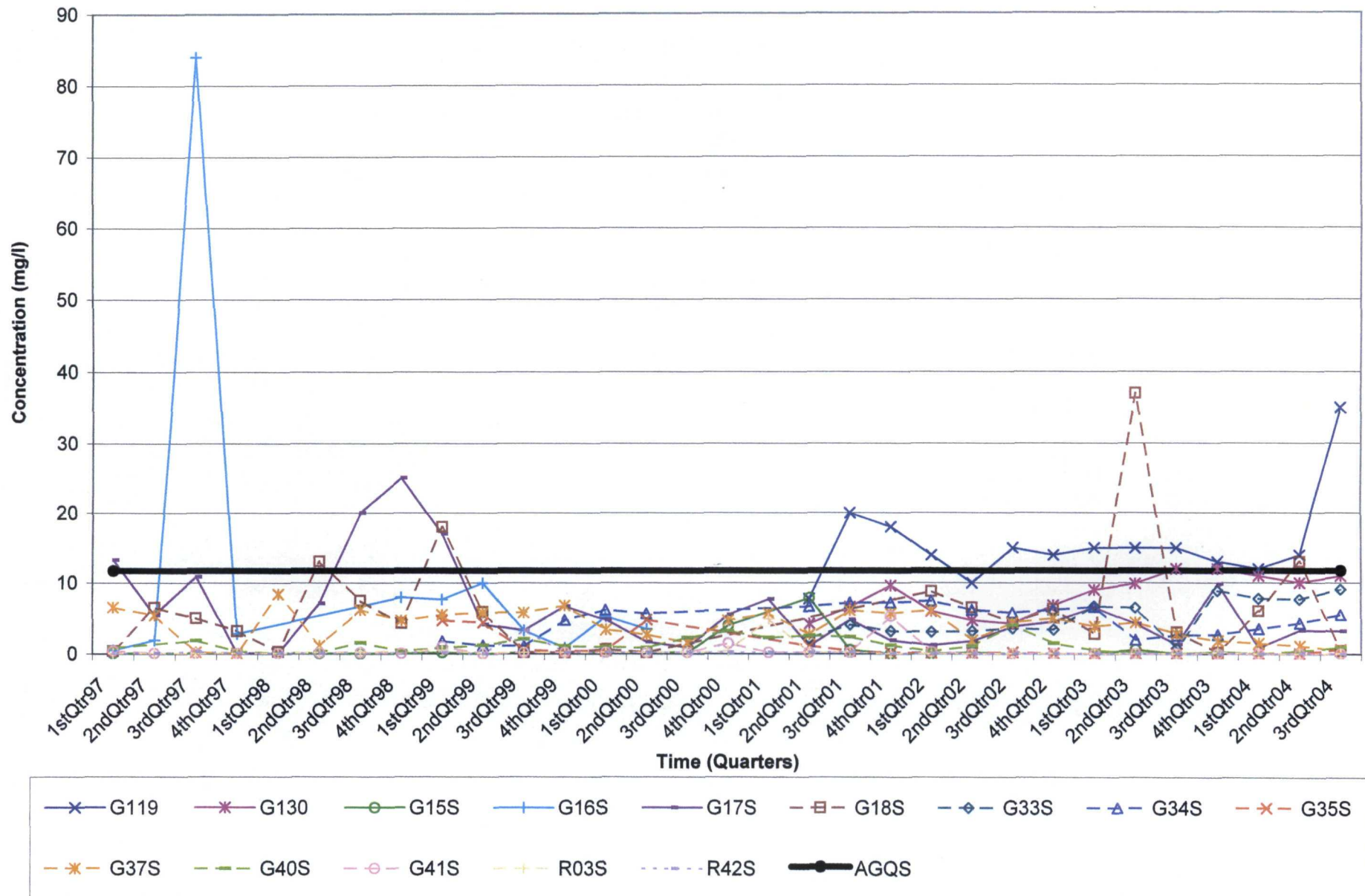
Winnebago Reclamation - Upper Zone Wells Dissolved Manganese



Winnebago Reclamation - Upper Zone Wells Total Manganese

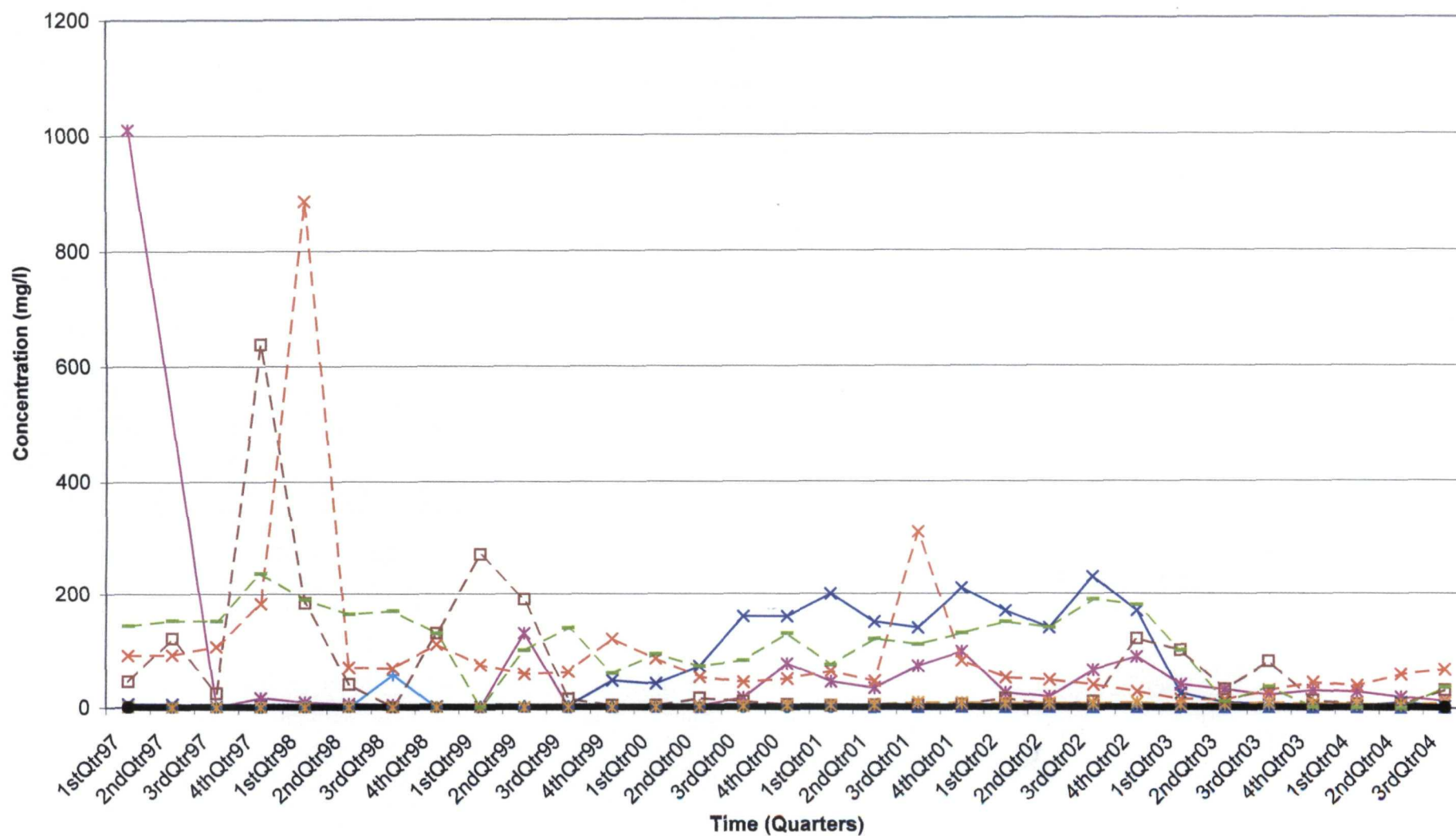


Winnebago Reclamation - Upper Zone Wells Dissolved Nitrate

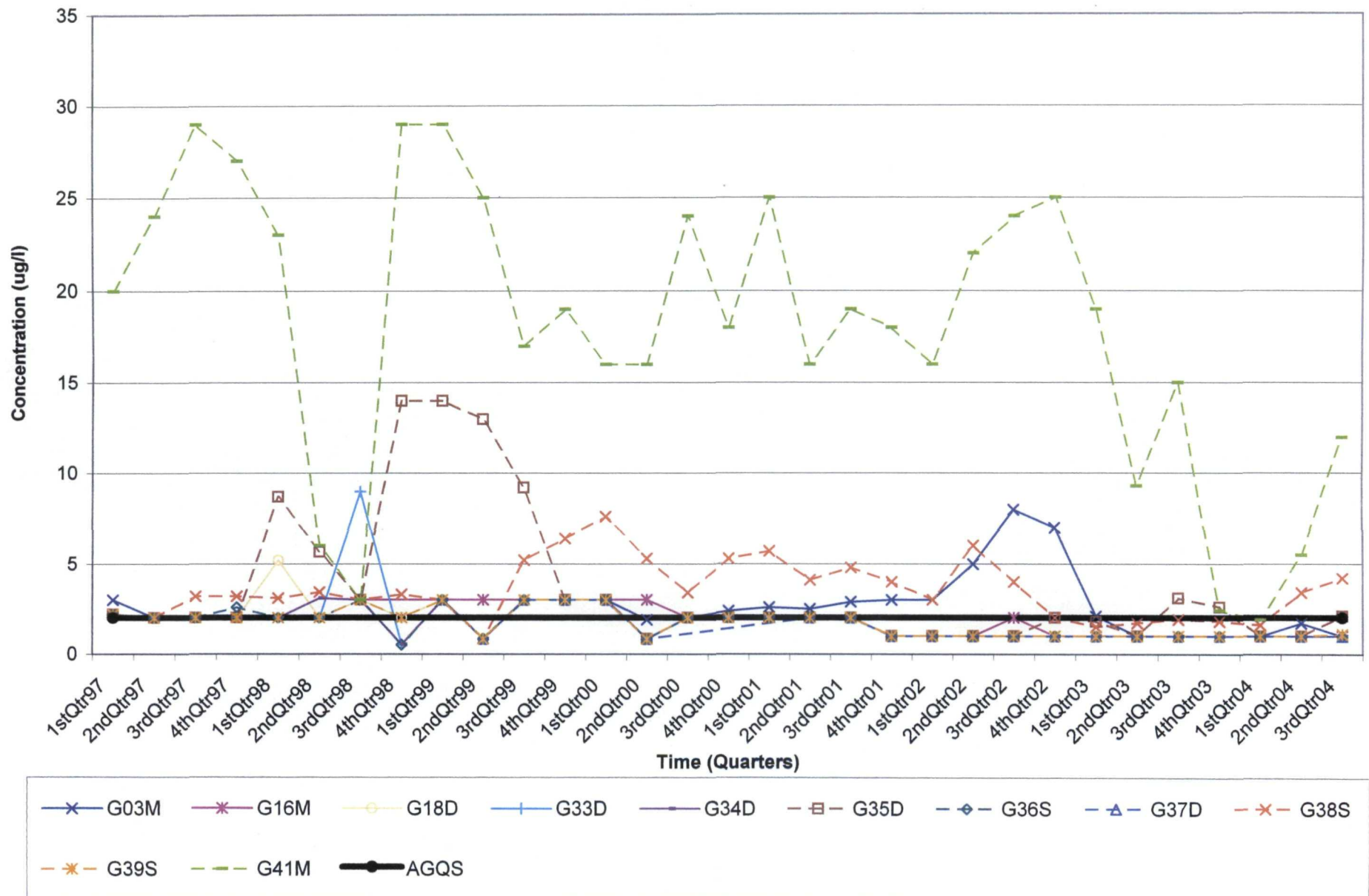


Appendix B
Lower Zone Graphs

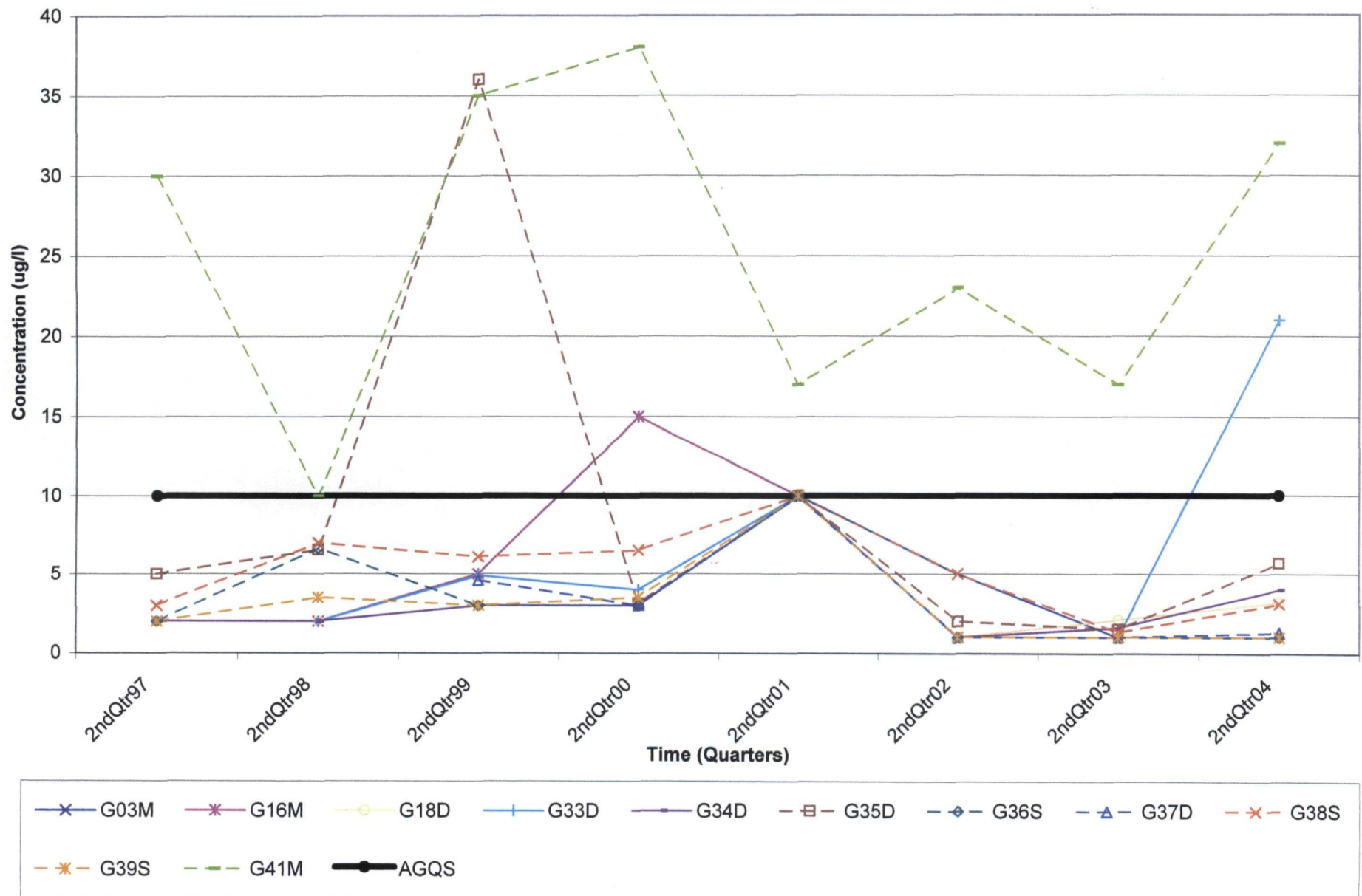
Winnebago Reclamation - Lower Zone Wells Ammonia as N, dissolved



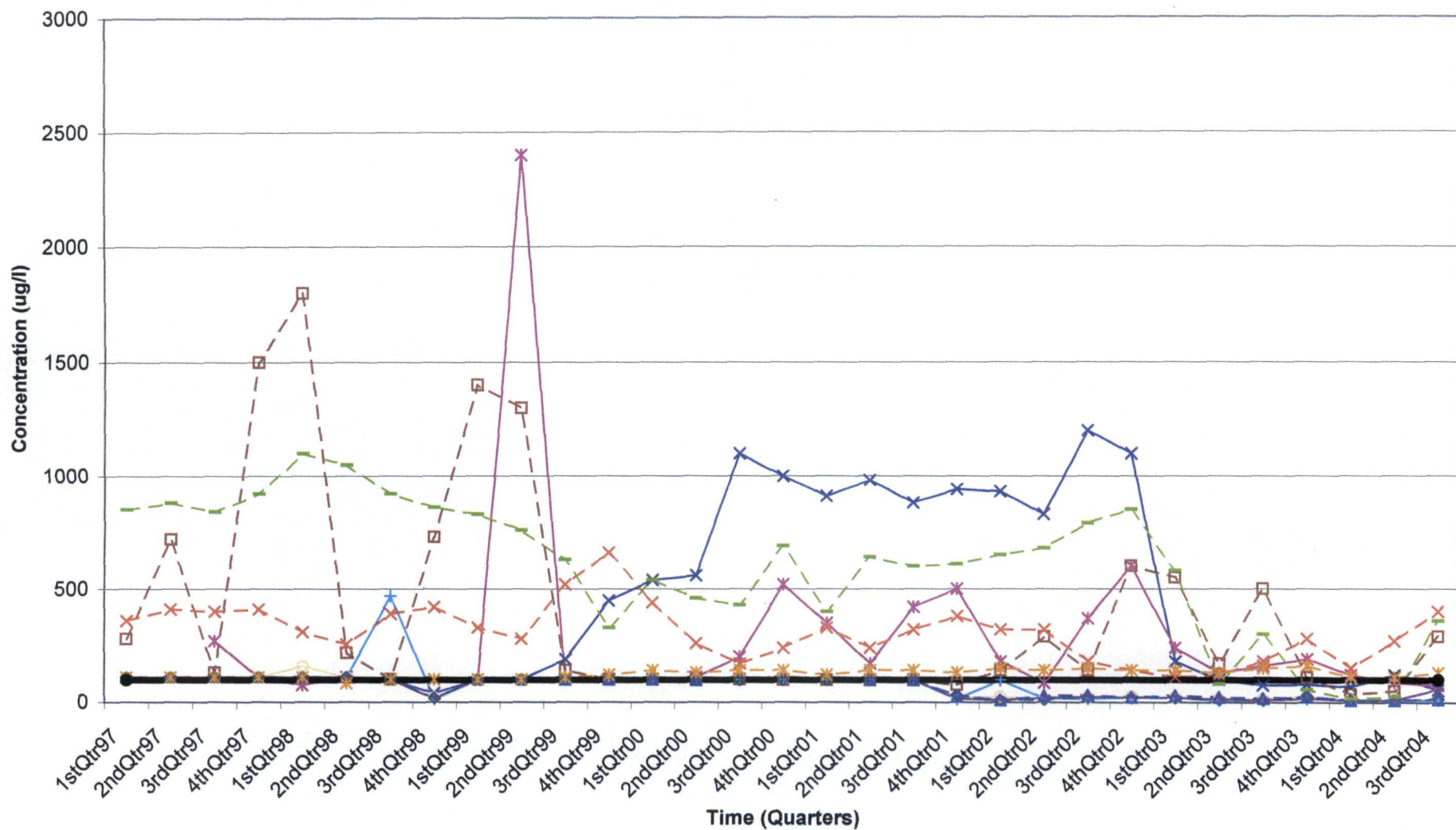
Winnebago Reclamation - Lower Zone Wells Dissolved Arsenic



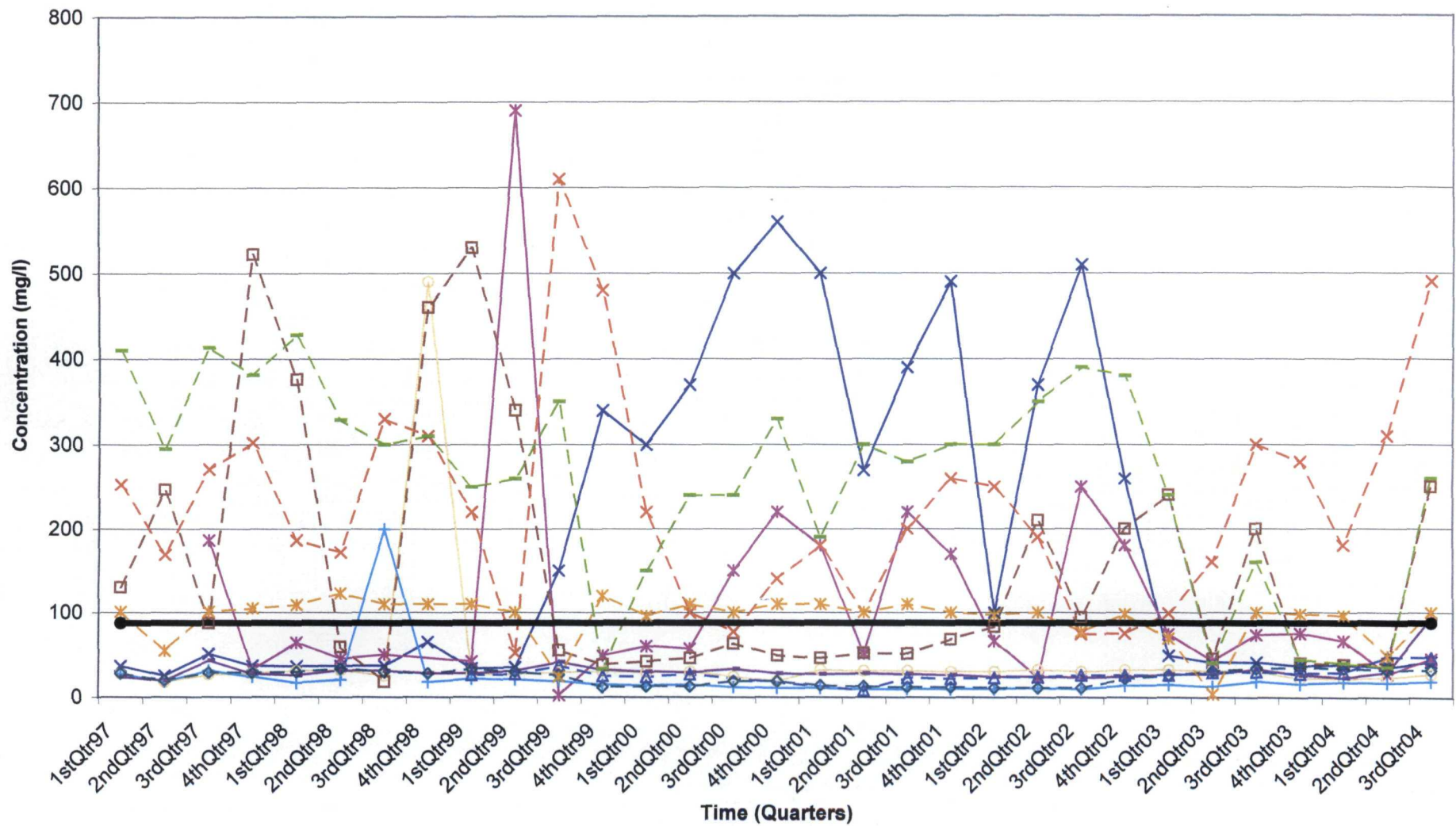
Winnebago Reclamation - Lower Zone Wells Total Arsenic



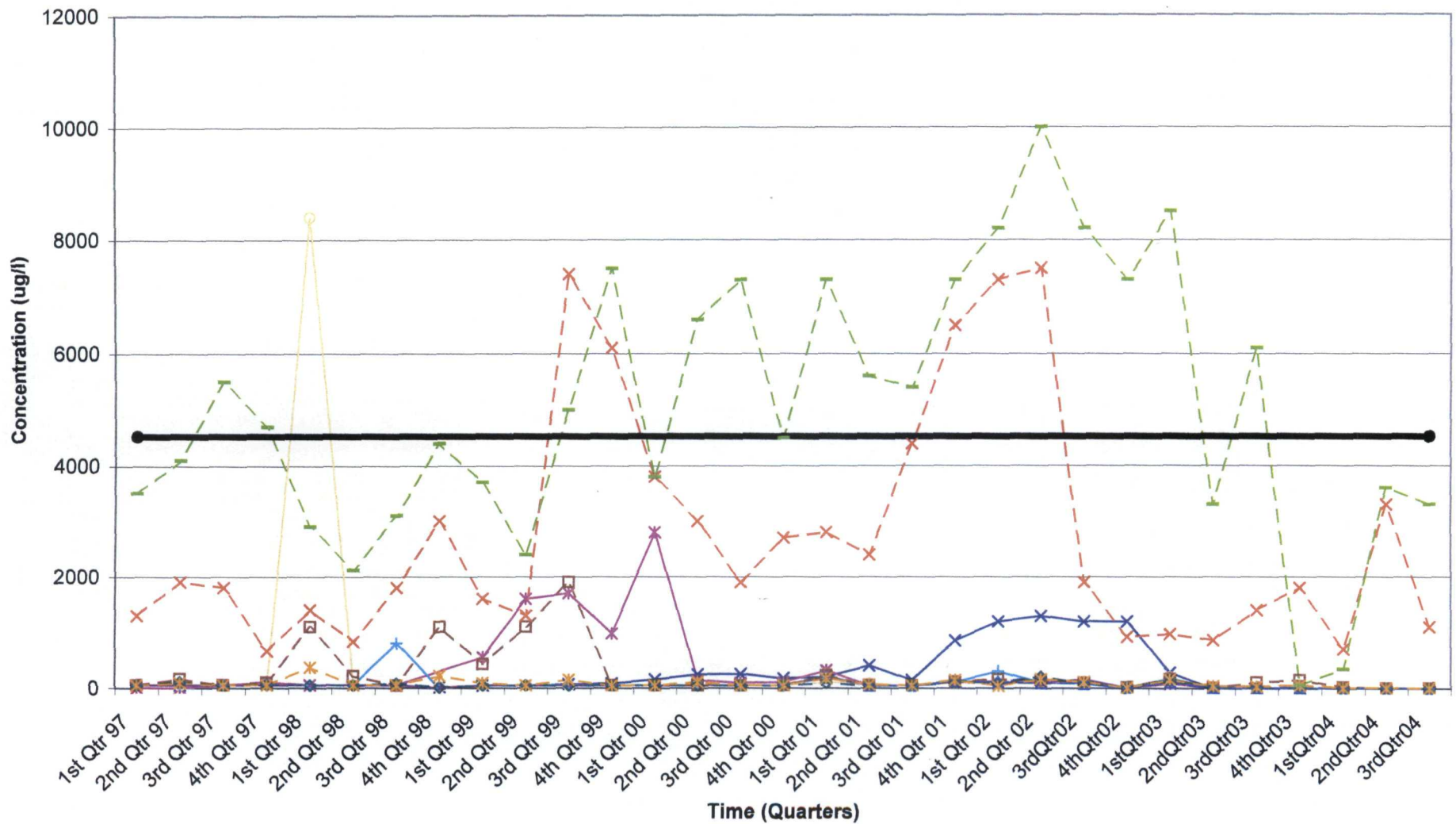
Winnebago Reclamation - Lower Zone Wells Dissolved Boron



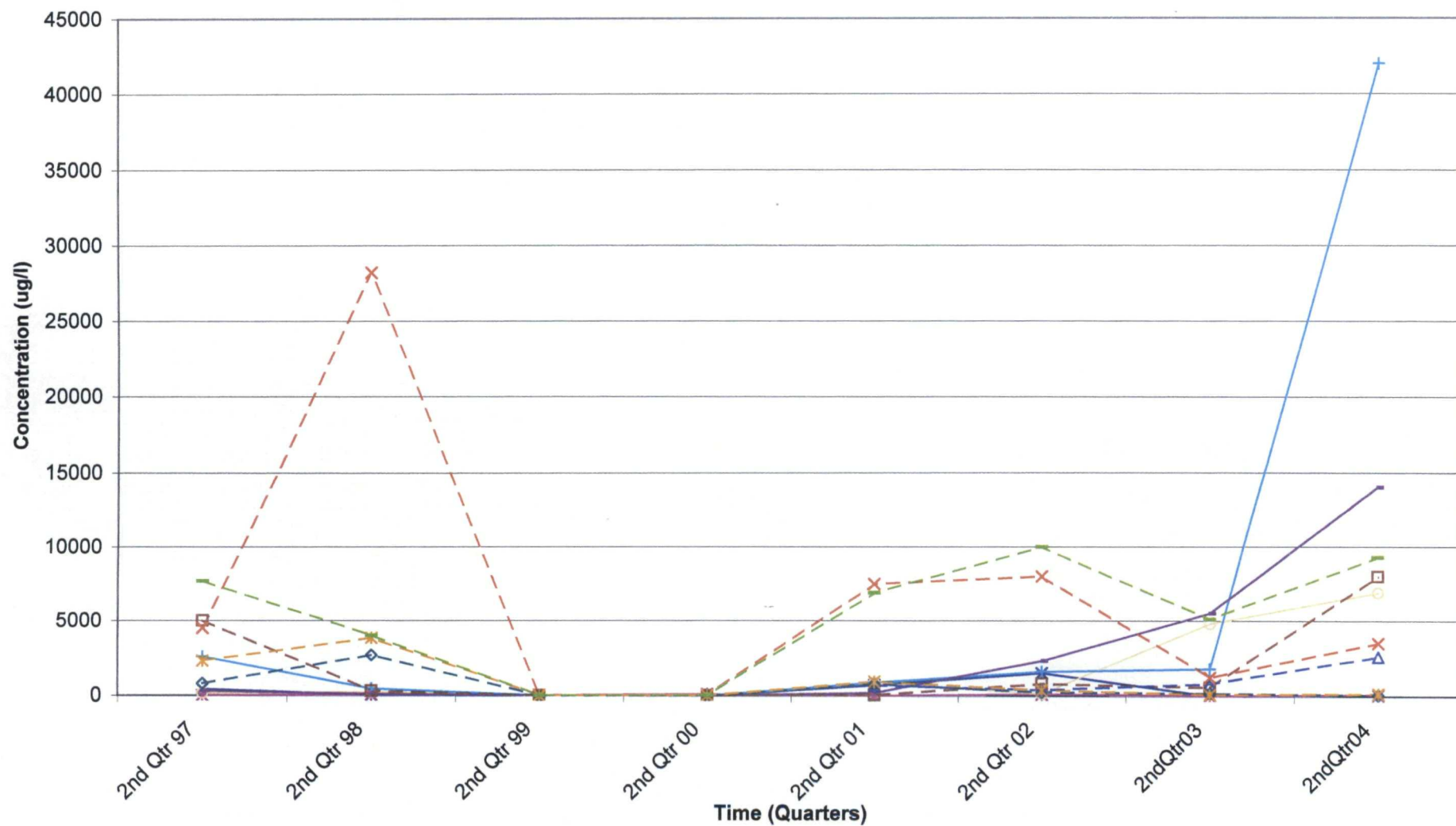
Winnebago Reclamation - Lower Zone Wells Dissolved Chloride



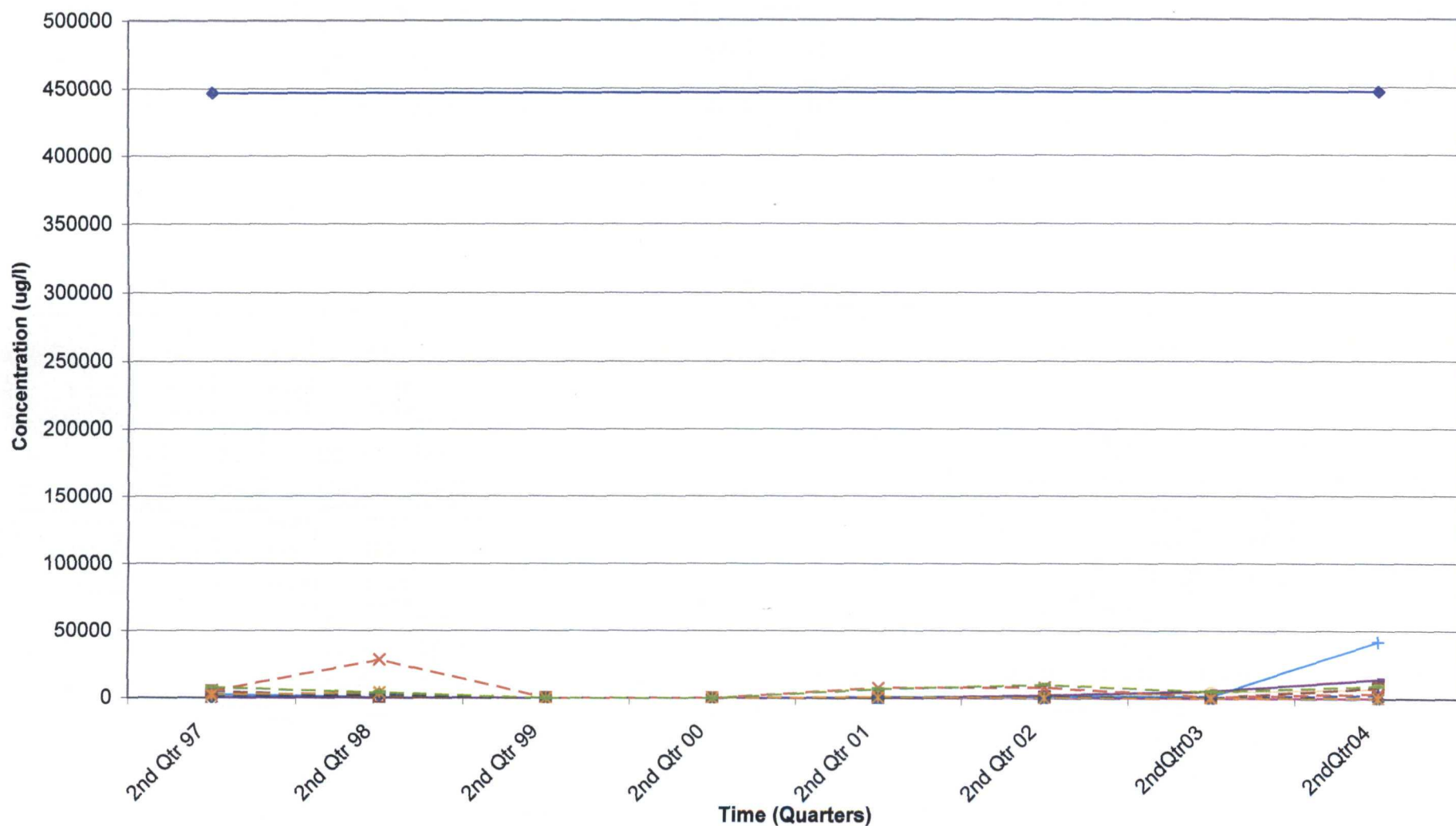
Winnebago Reclamation - Lower Zone Wells Dissolved Iron



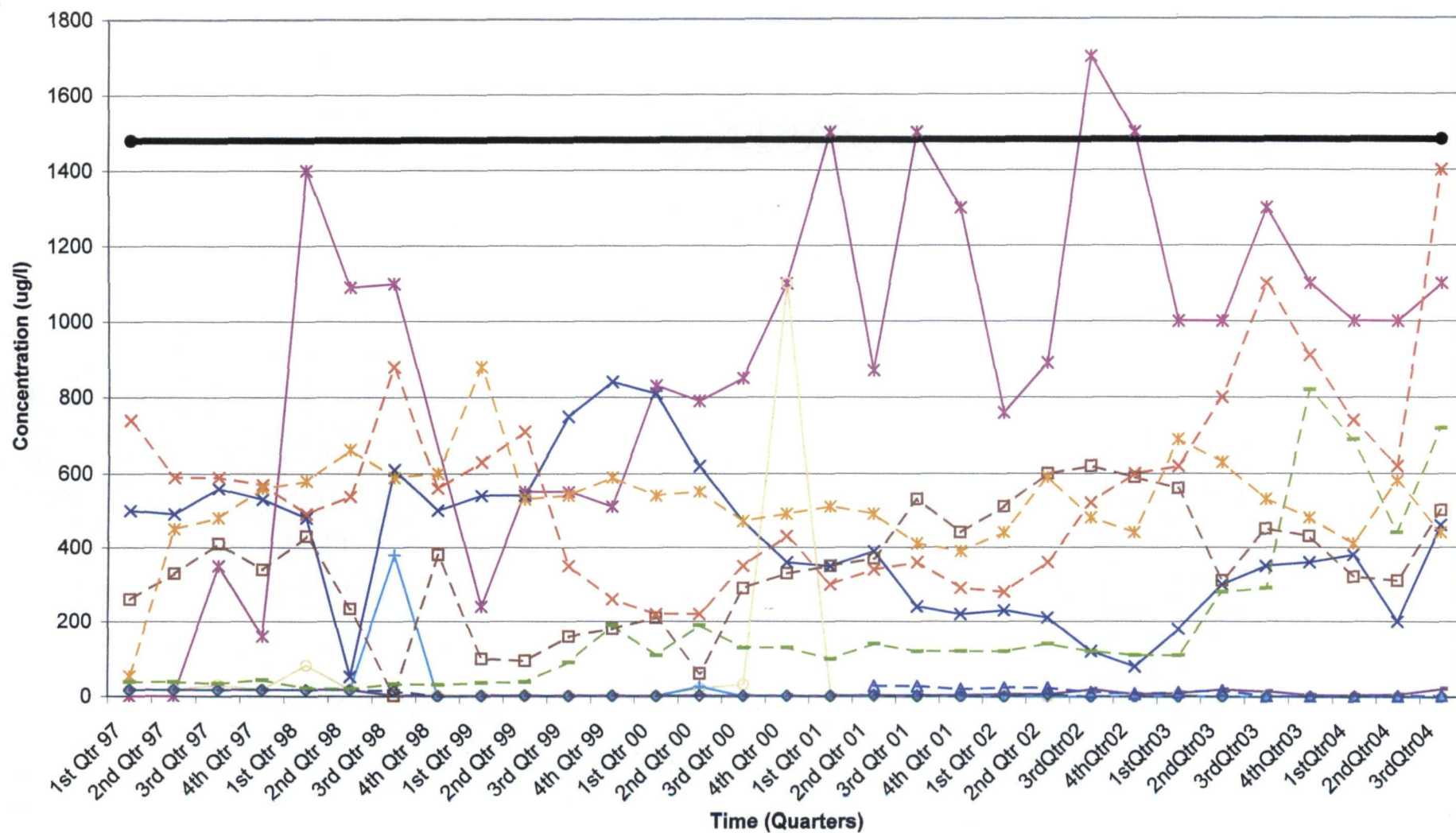
Winnebago Reclamation - Lower Zone Wells Total Iron



Winnebago Reclamation - Lower Zone Wells Total Iron

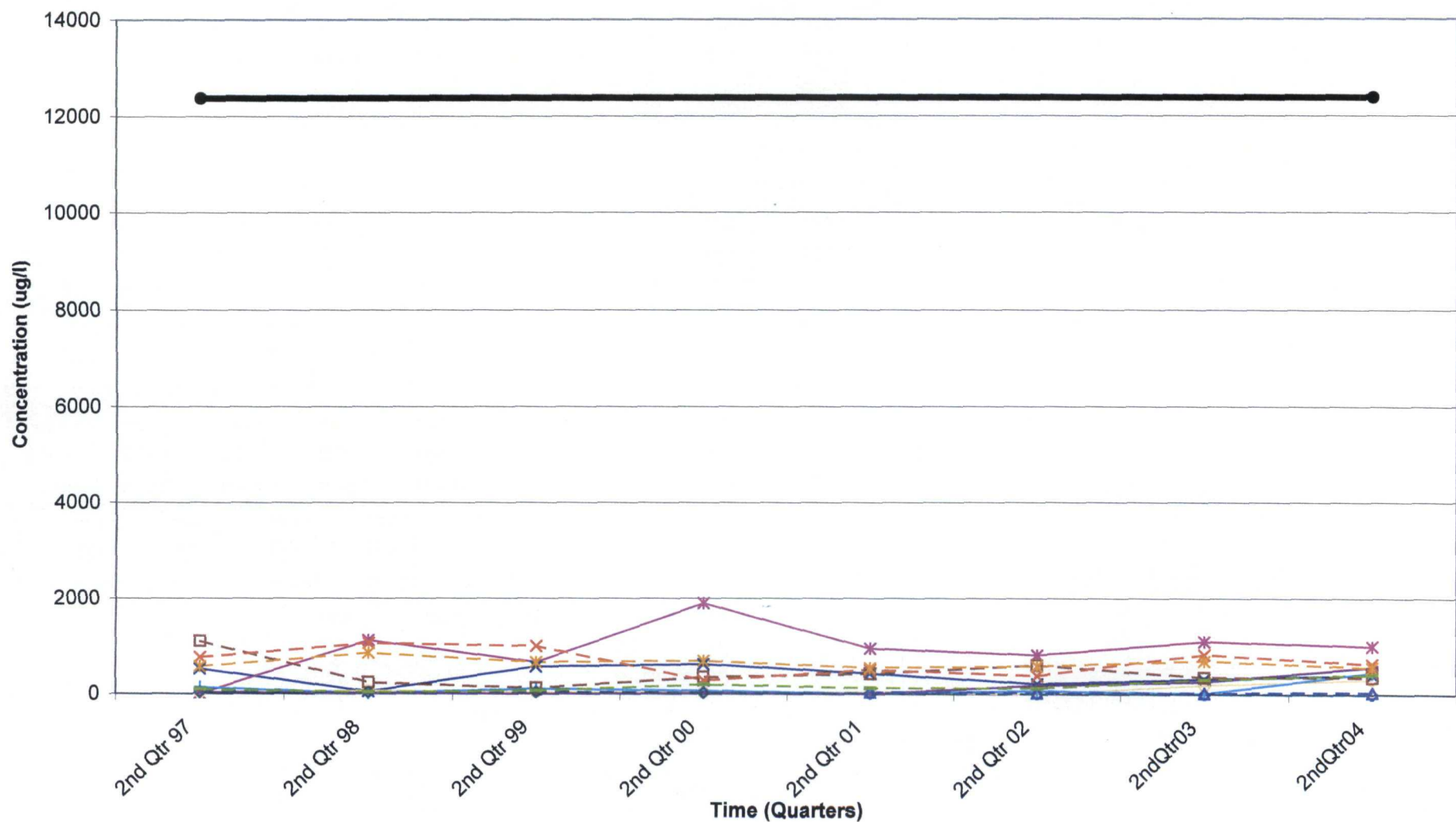


Winnebago Reclamation - Lower Zone Wells Dissolved Manganese

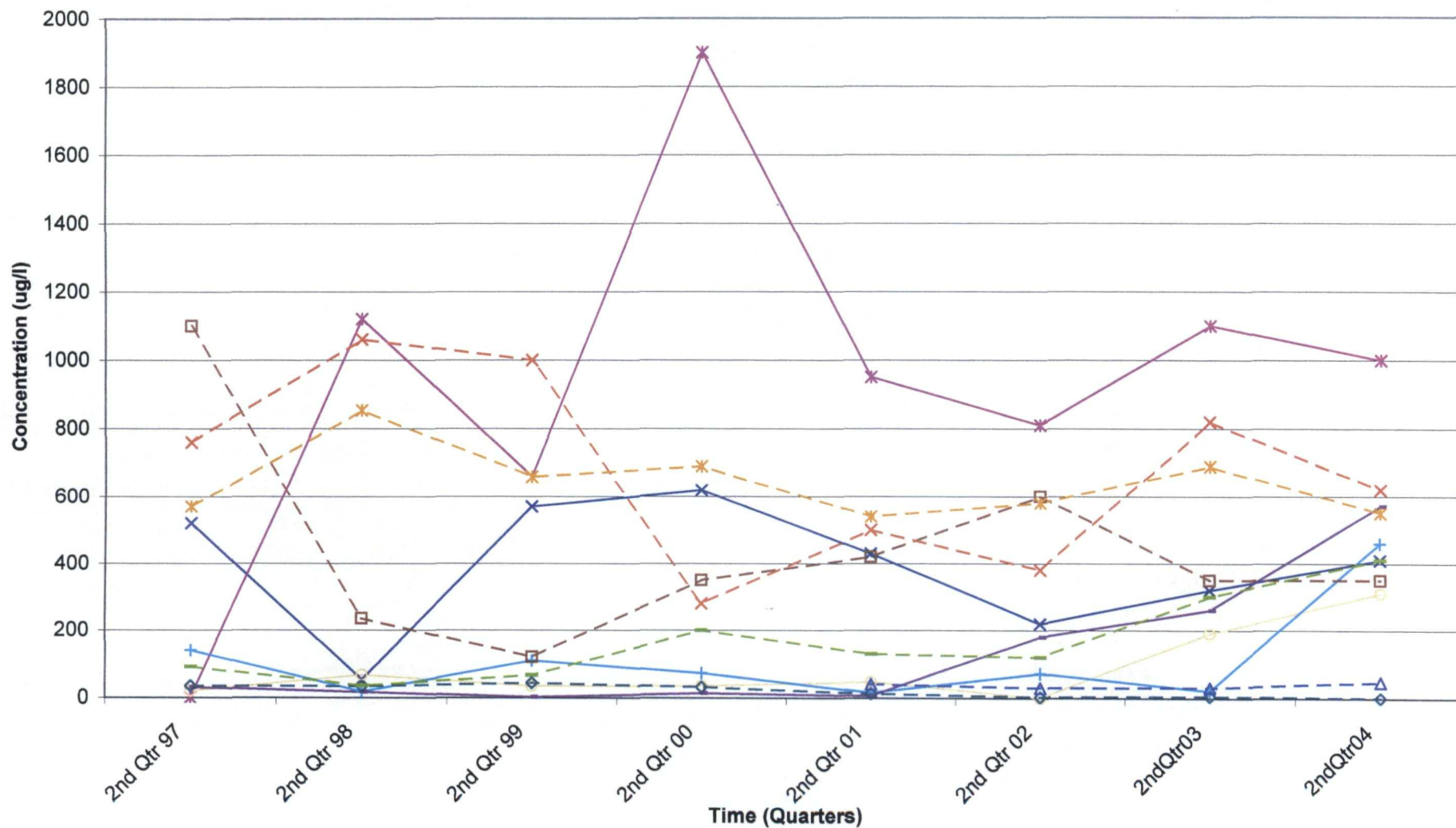


—x— G03M *— G16M —o— G18D —+— G33D —●— G34D —□— G35D —◇— G36S —△— G37D —x— G38S
 —*— G39S —- G41M —●— AGQS

Winnebago Reclamation - Lower Zone Wells Total Manganese

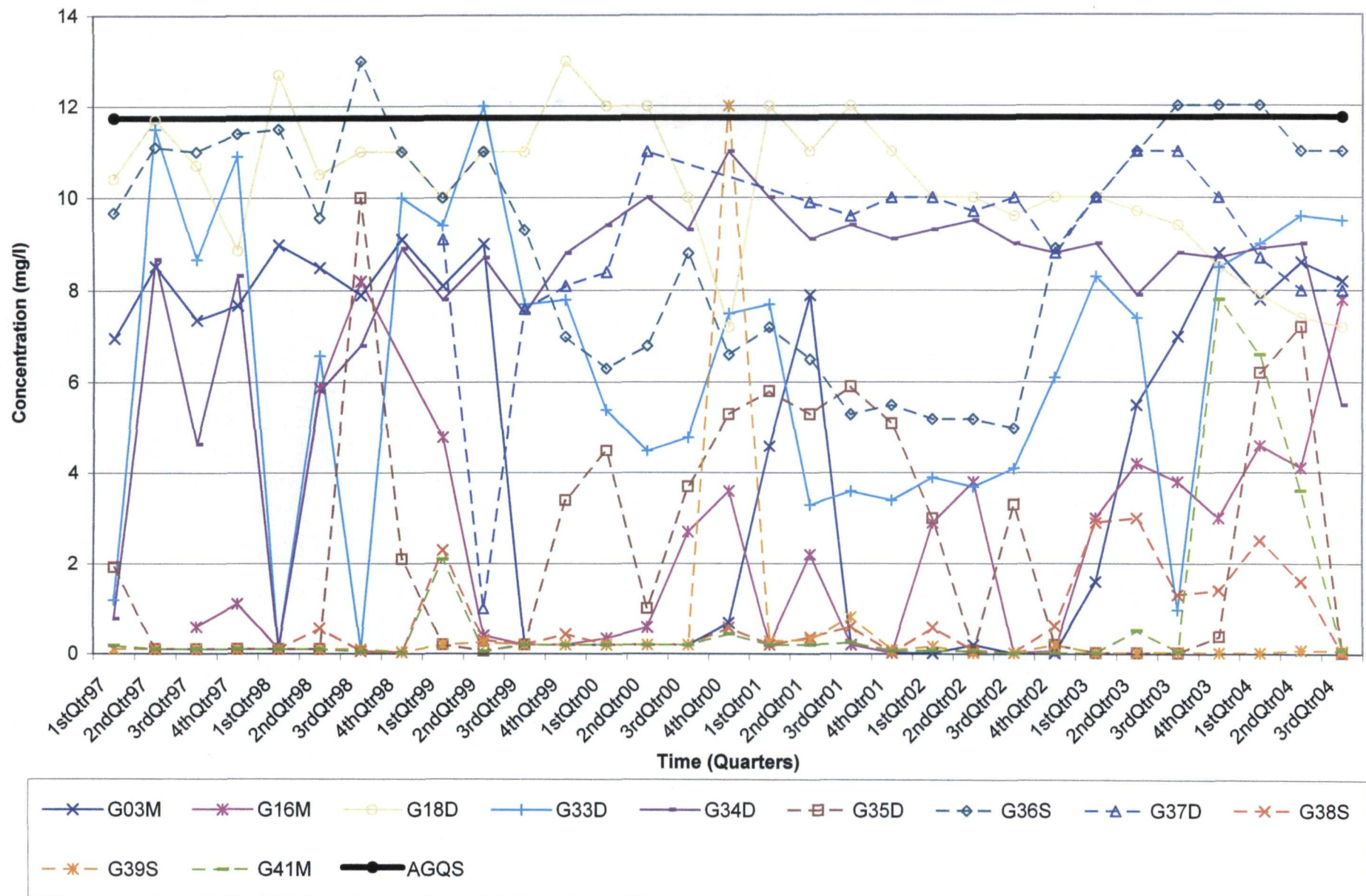


Winnebago Reclamation - Lower Zone Wells Total Manganese



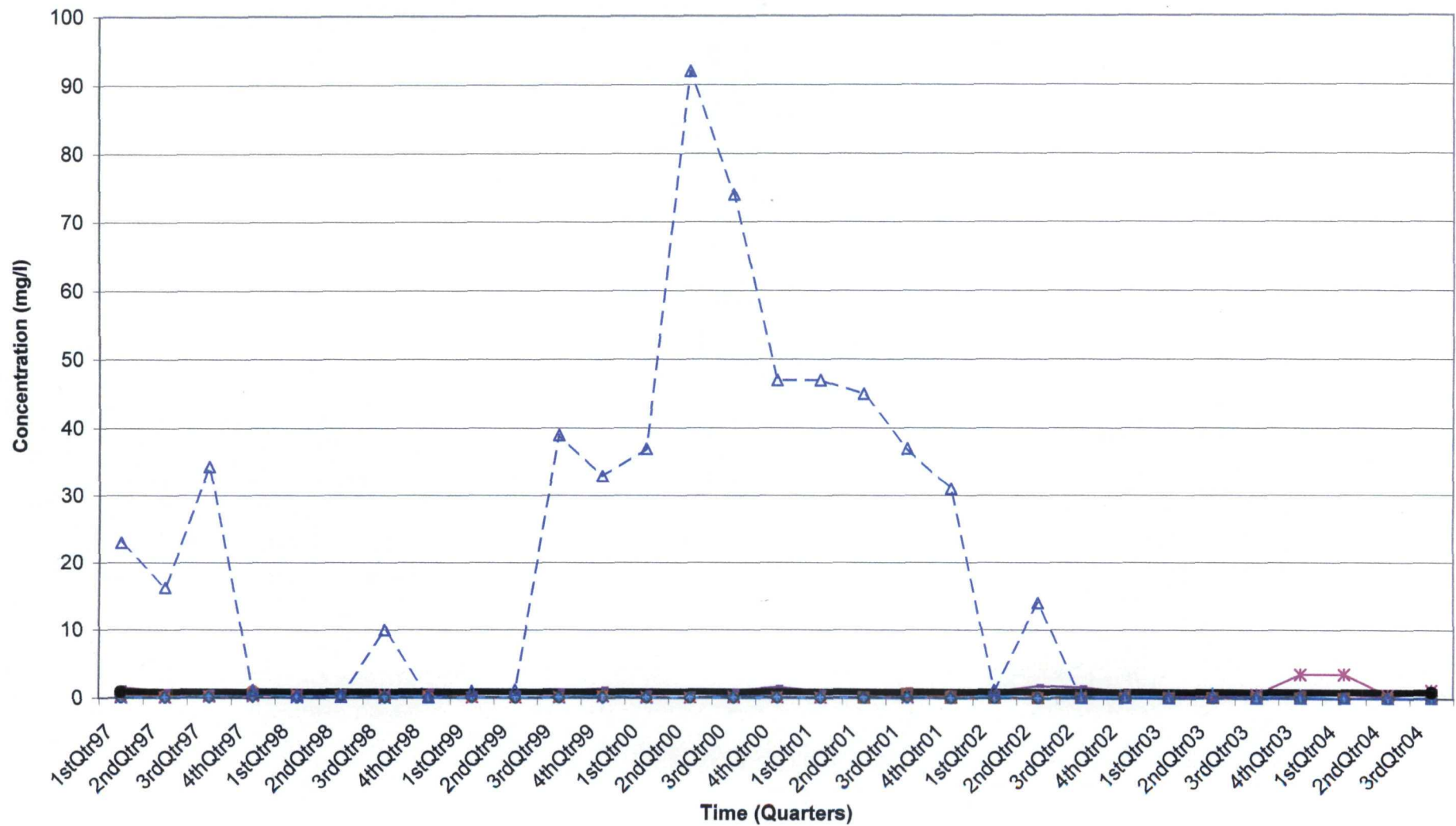
* G03M * G16M * G18D + G33D — G34D — G35D — G36S — G37D — G38S
 — G39S — G41M

Winnebago Reclamation - Lower Zone Wells Dissolved Nitrate



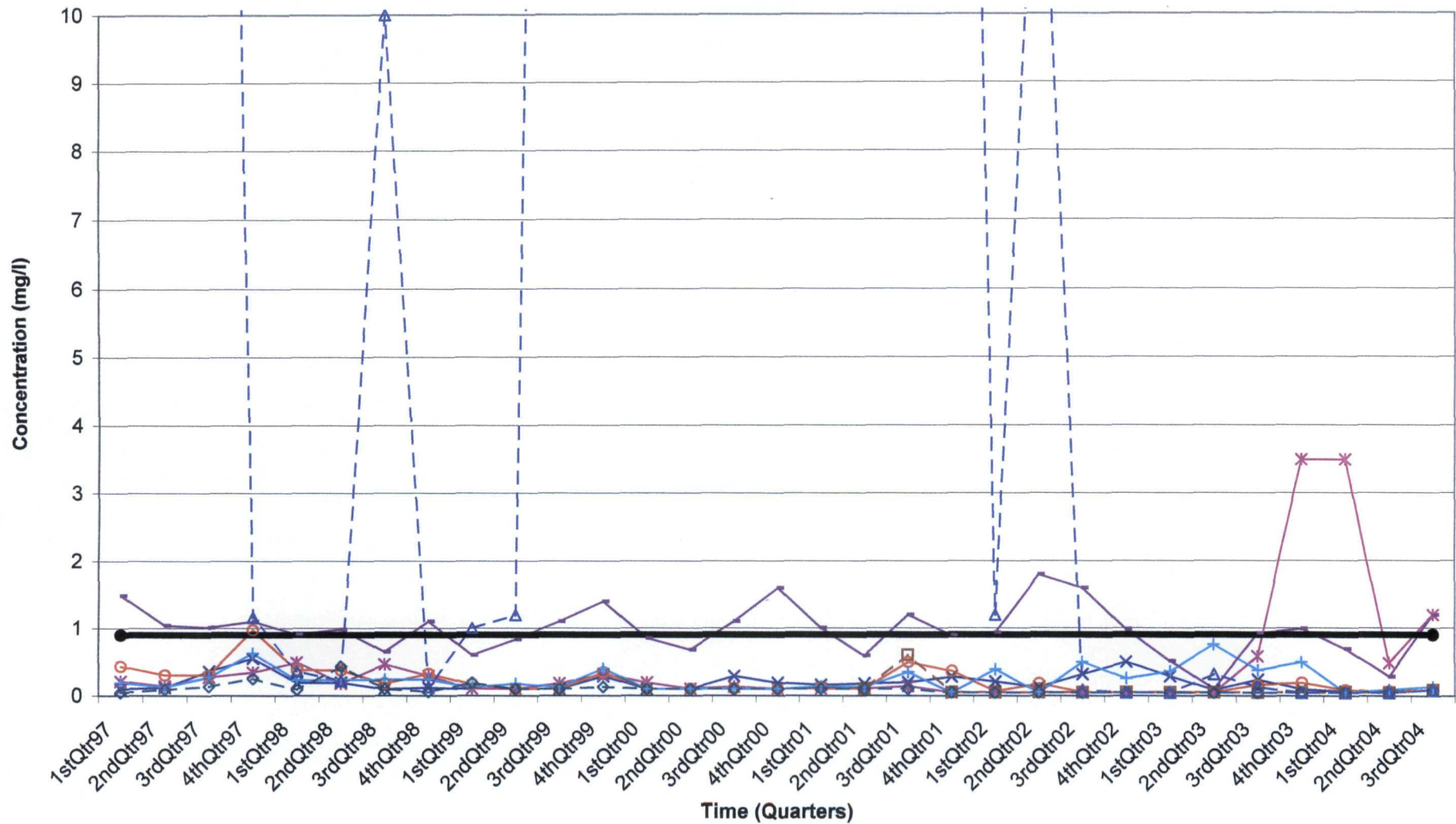
Appendix C
Bedrock Graphs

Winnebago Reclamation - Bedrock Wells Ammonia as N, dissolved



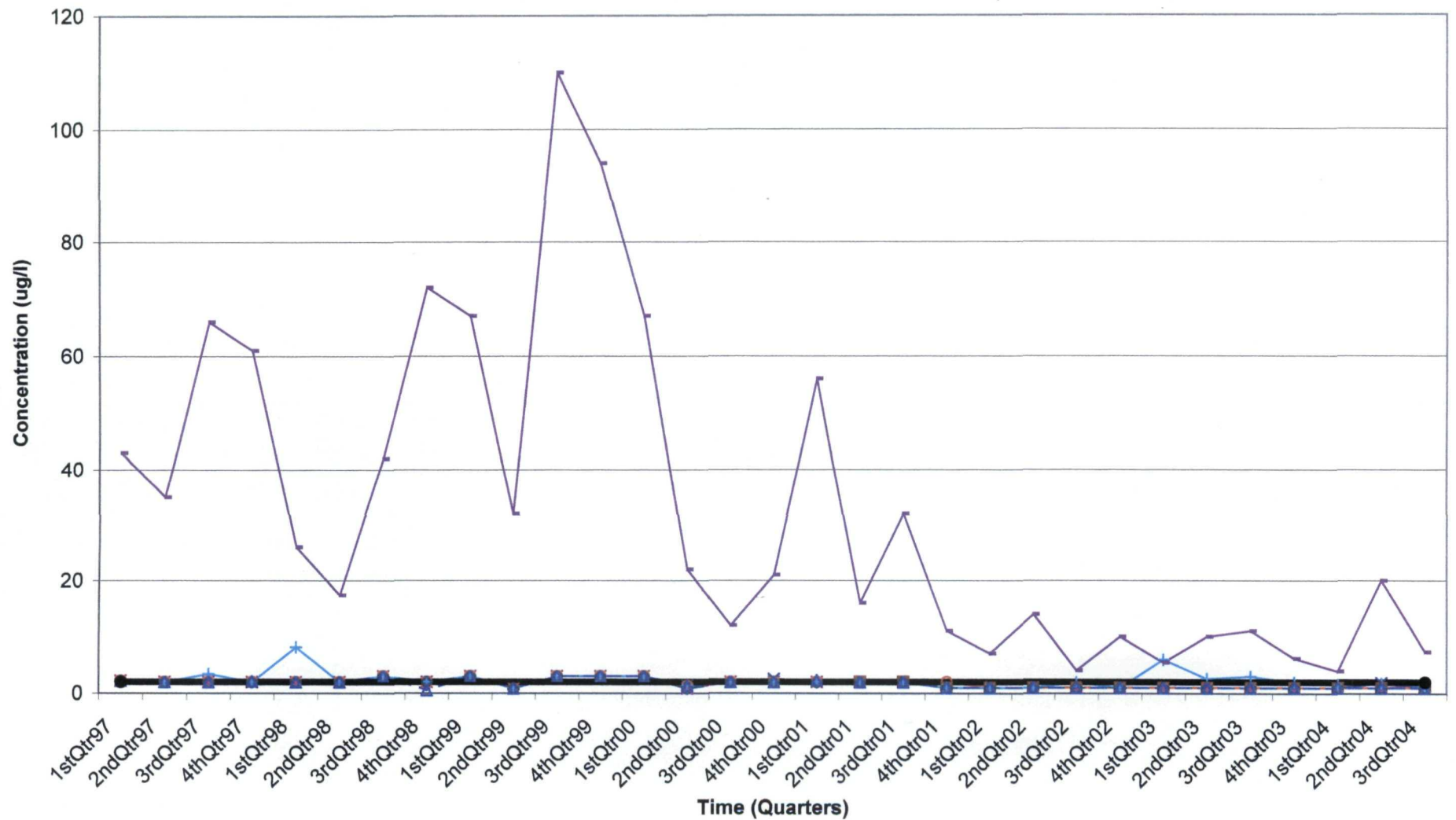
x G09D
 * G09M
 o G13D
 + G13S
 — G14D
 — G16D
 — G20D
 — △ G41D
 — ● AGQS

Winnebago Reclamation - Bedrock Wells Ammonia as N, dissolved



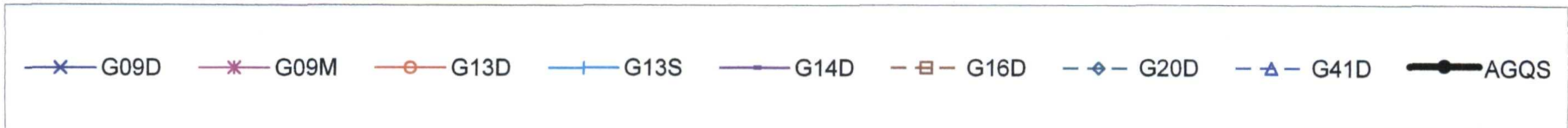
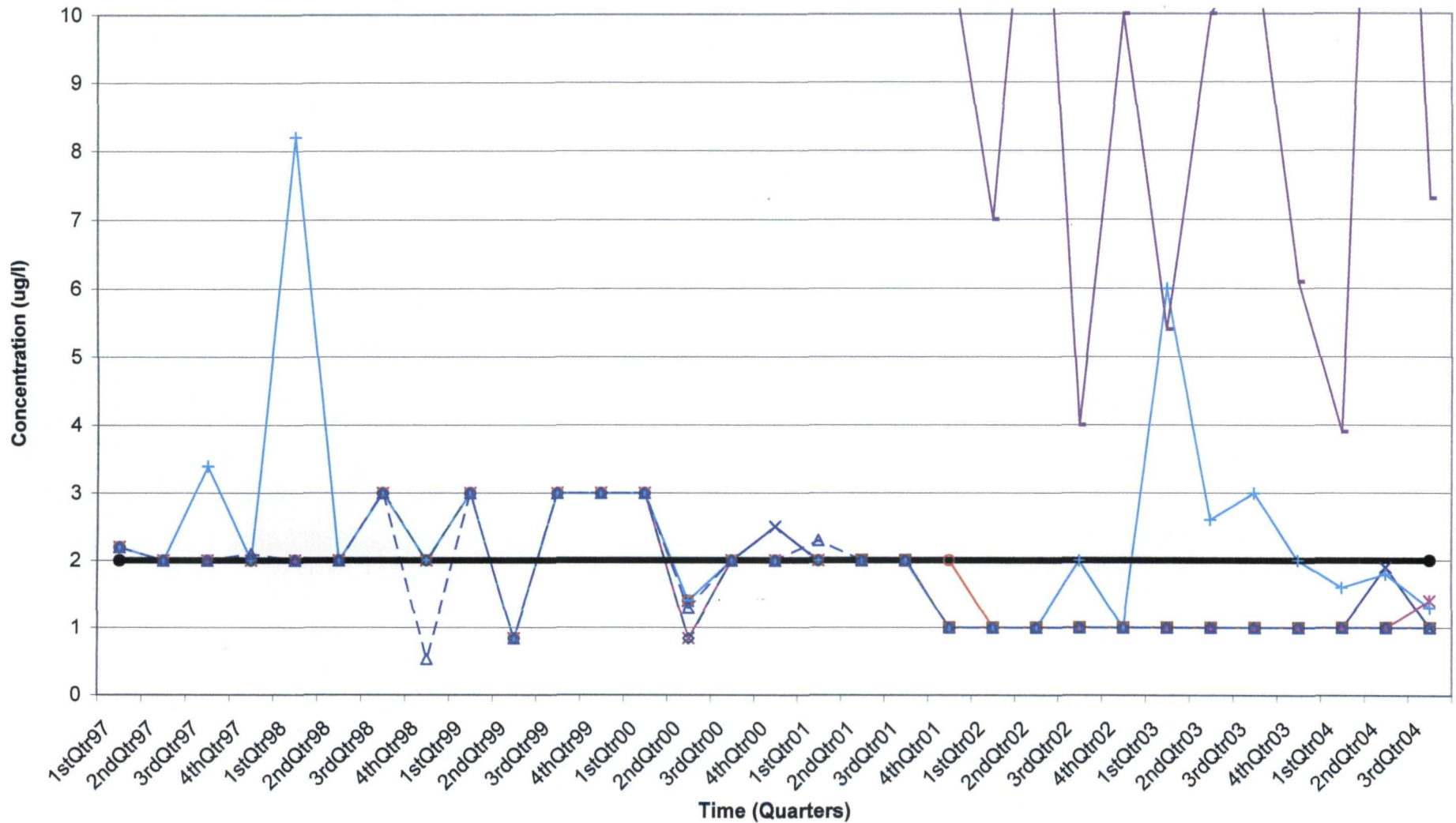
* G09D * G09M o G13D + G13S — G14D — G16D — G20D — G41D — AGQS

Winnebago Reclamation - Bedrock Wells Dissolved Arsenic

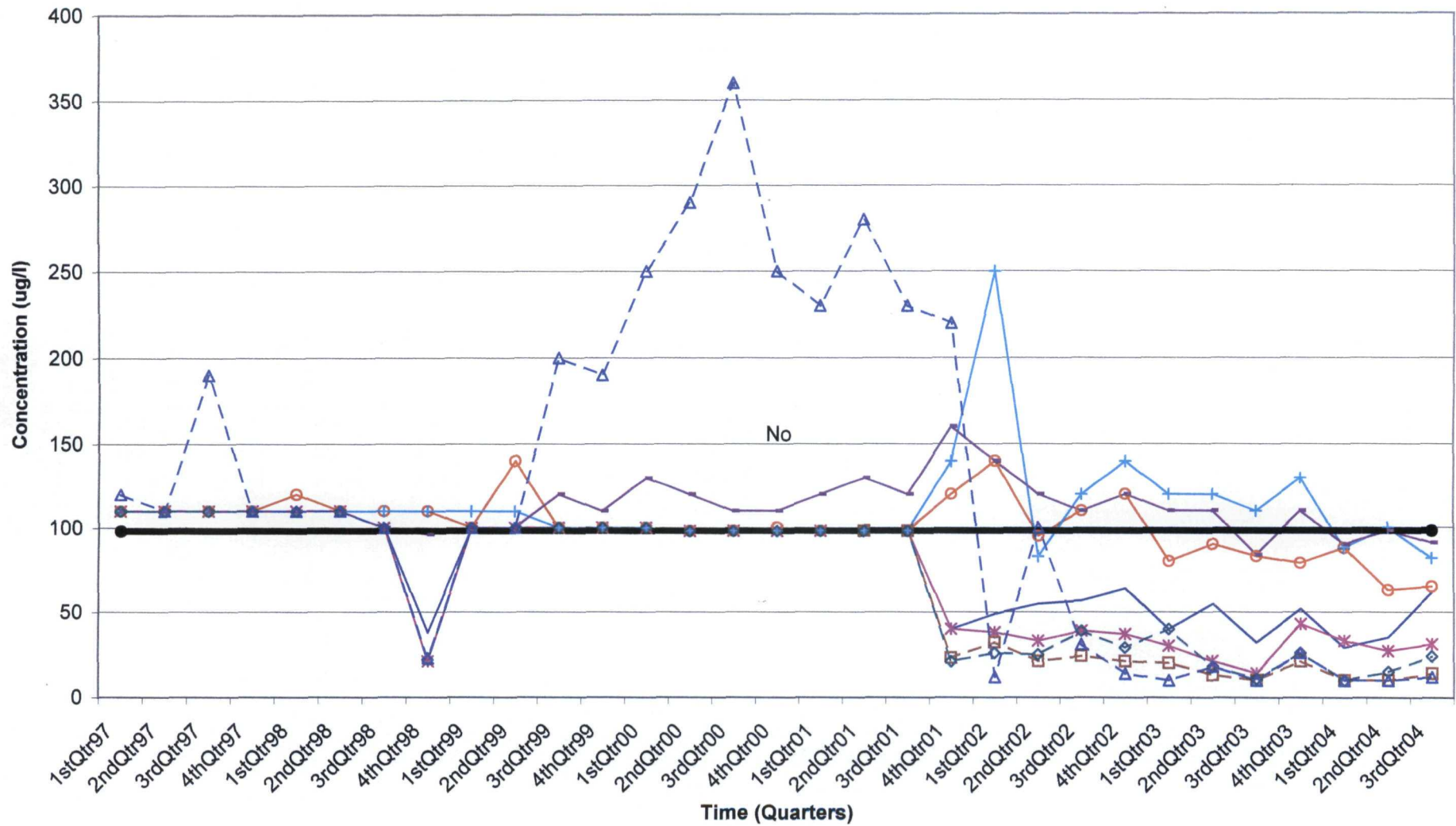


—x— G09D
 —*— G09M
 —o— G13D
 —+— G13S
 —|— G14D
 —■— G16D
 —◇— G20D
 —▲— G41D
 —●— AGQS

Winnebago Reclamation - Bedrock Wells Dissolved Arsenic

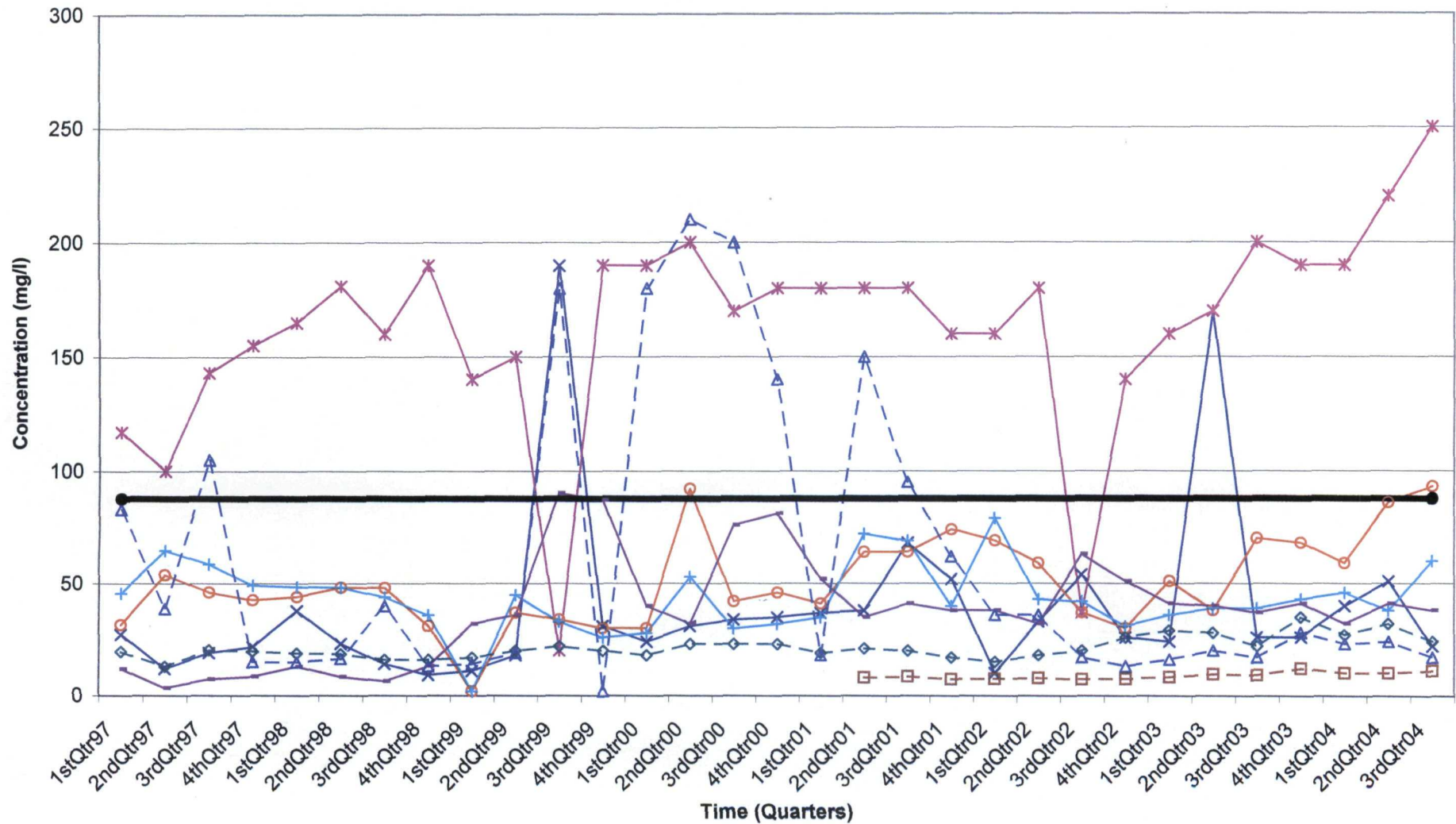


Winnebago Reclamation - Bedrock Wells Dissolved Boron



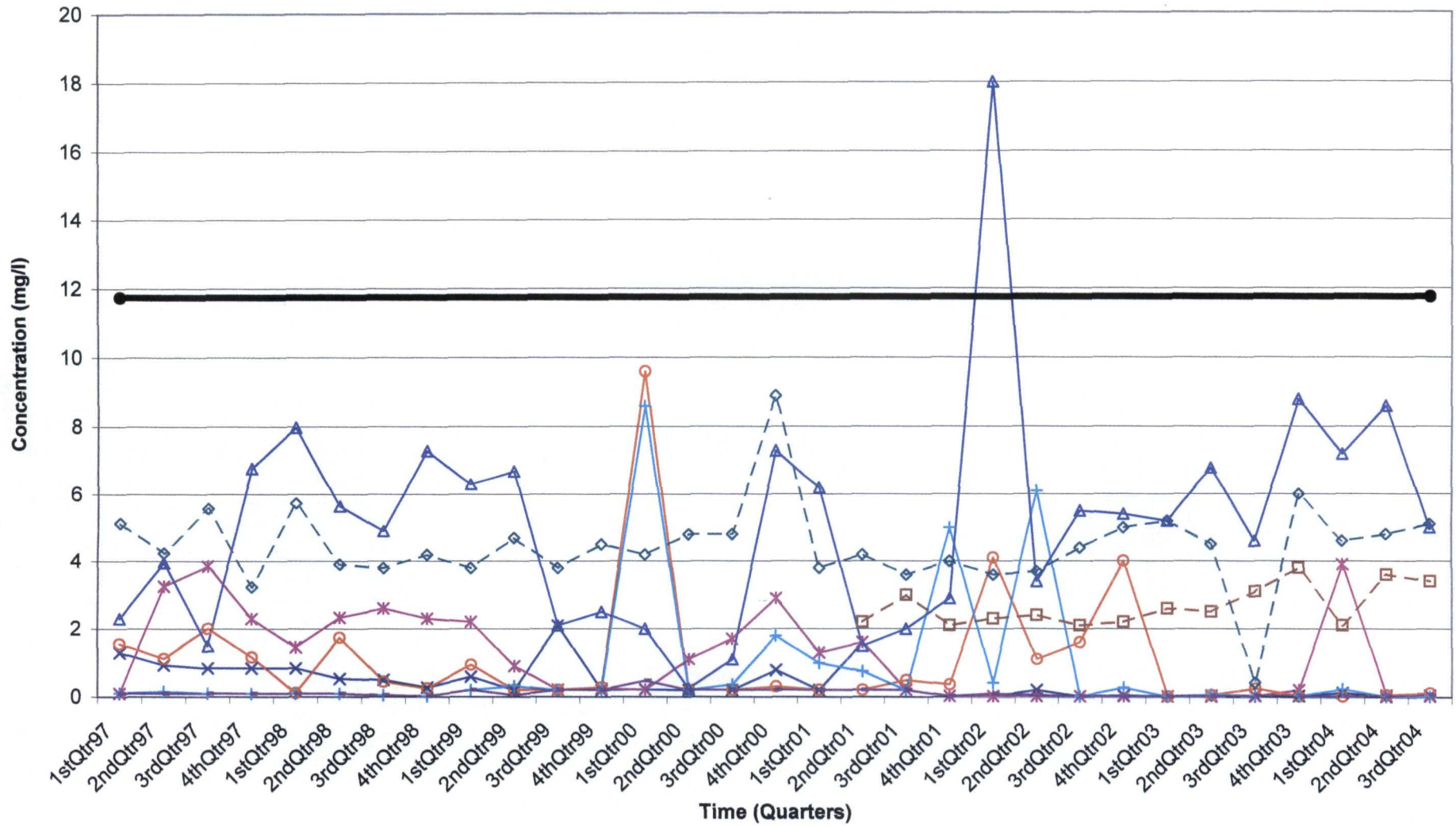
—+— G09D
 —*— G09M
 —o— G13D
 —+— G13S
 —+— G14D
 -□- G16D
 -◇- G20D
 -△- G41D
 —●— AGQS

Winnebago Reclamation - Bedrock Wells Dissolved Chloride



—x— G09D
 —*— G09M
 —o— G13D
 —+— G13S
 —-— G14D
 -□- G16D
 -◇- G20D
 -△- G41D
 —●— AGQS

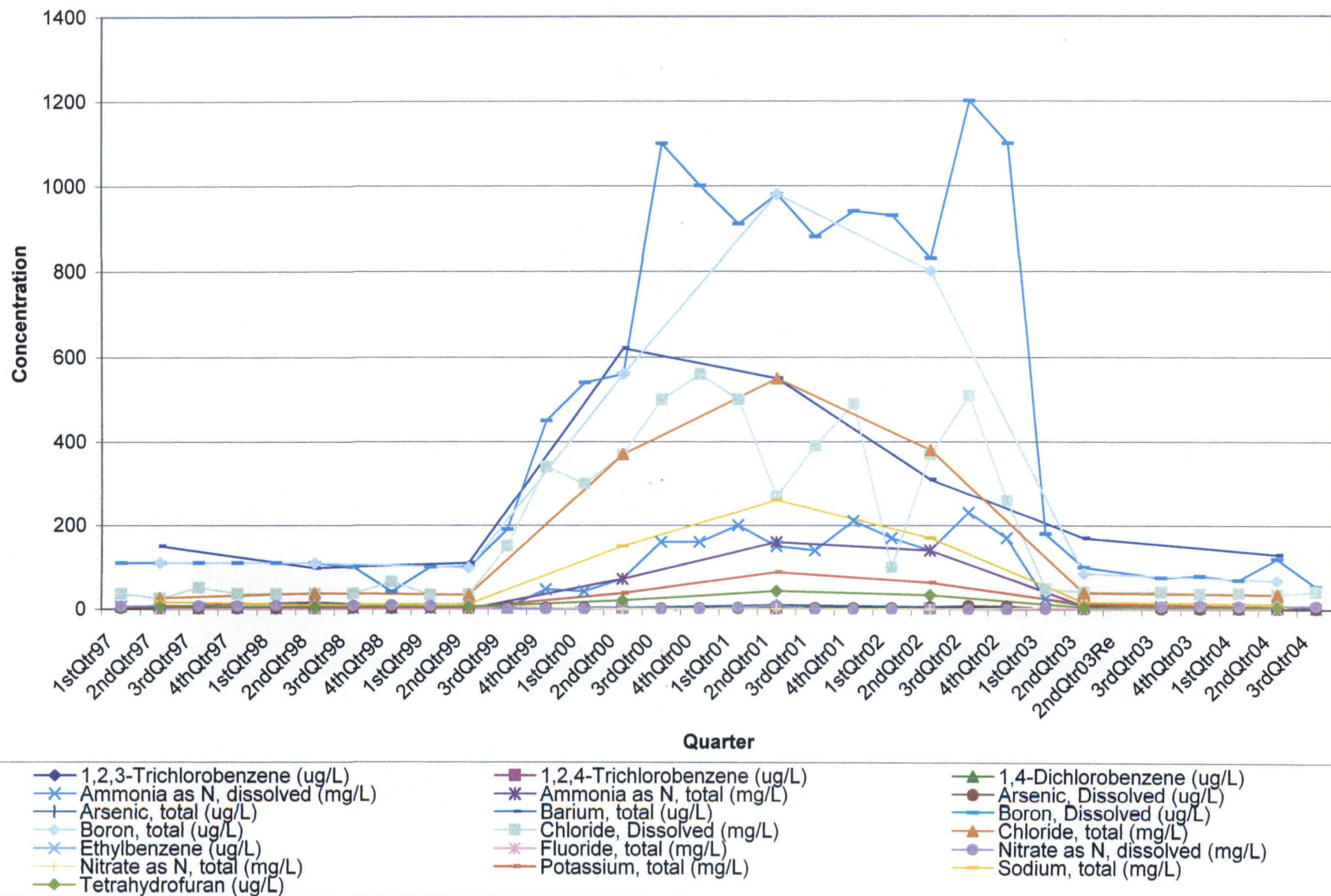
Winnebago Reclamation - Bedrock Wells Dissolved Nitrate



* G09D * G09M o G13D + G13S — G14D — G16D — G20D — G41D — AGQS

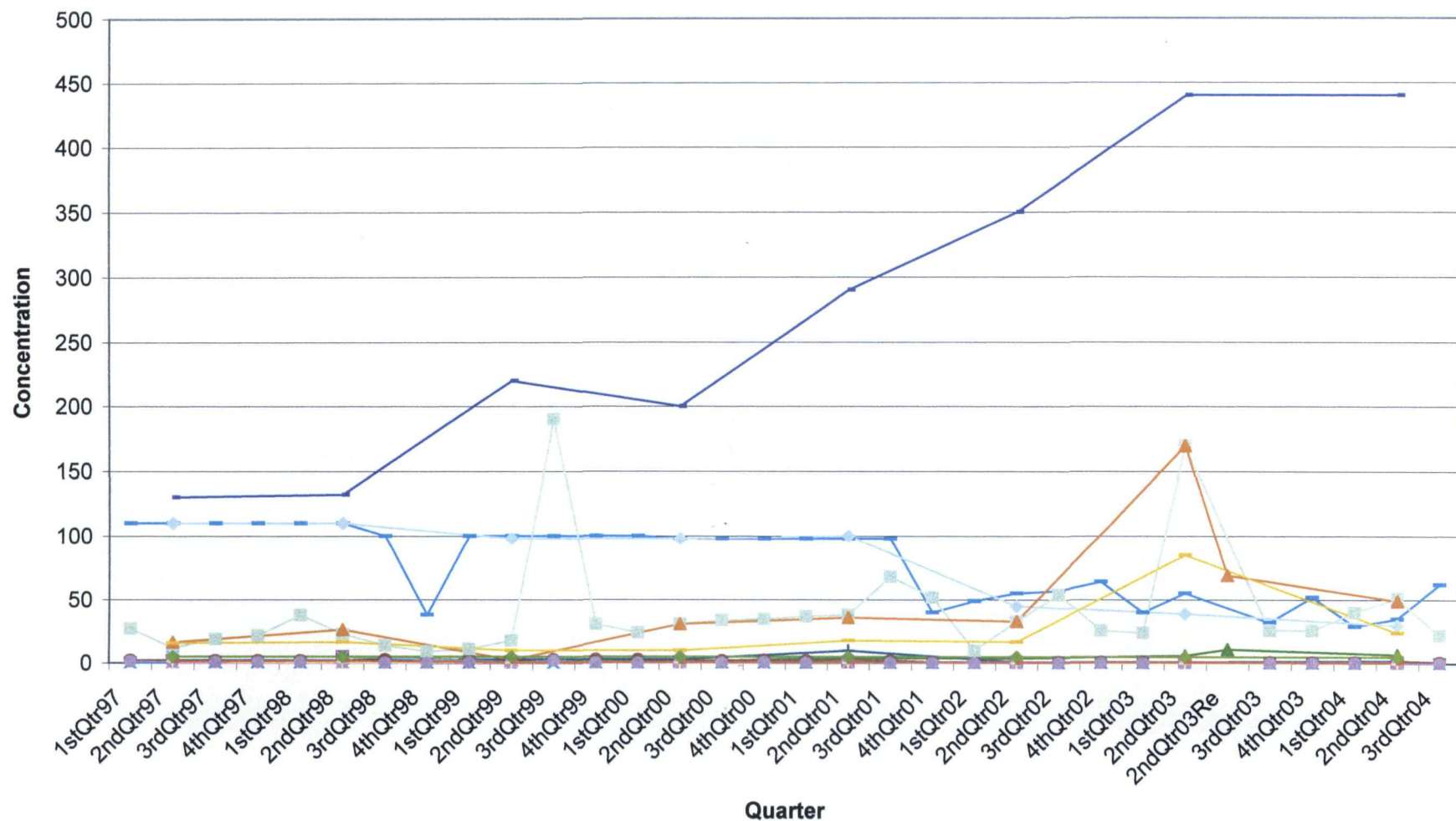
Appendix D
Individual Well Graphs

Winnebago Reclamation Well G03M

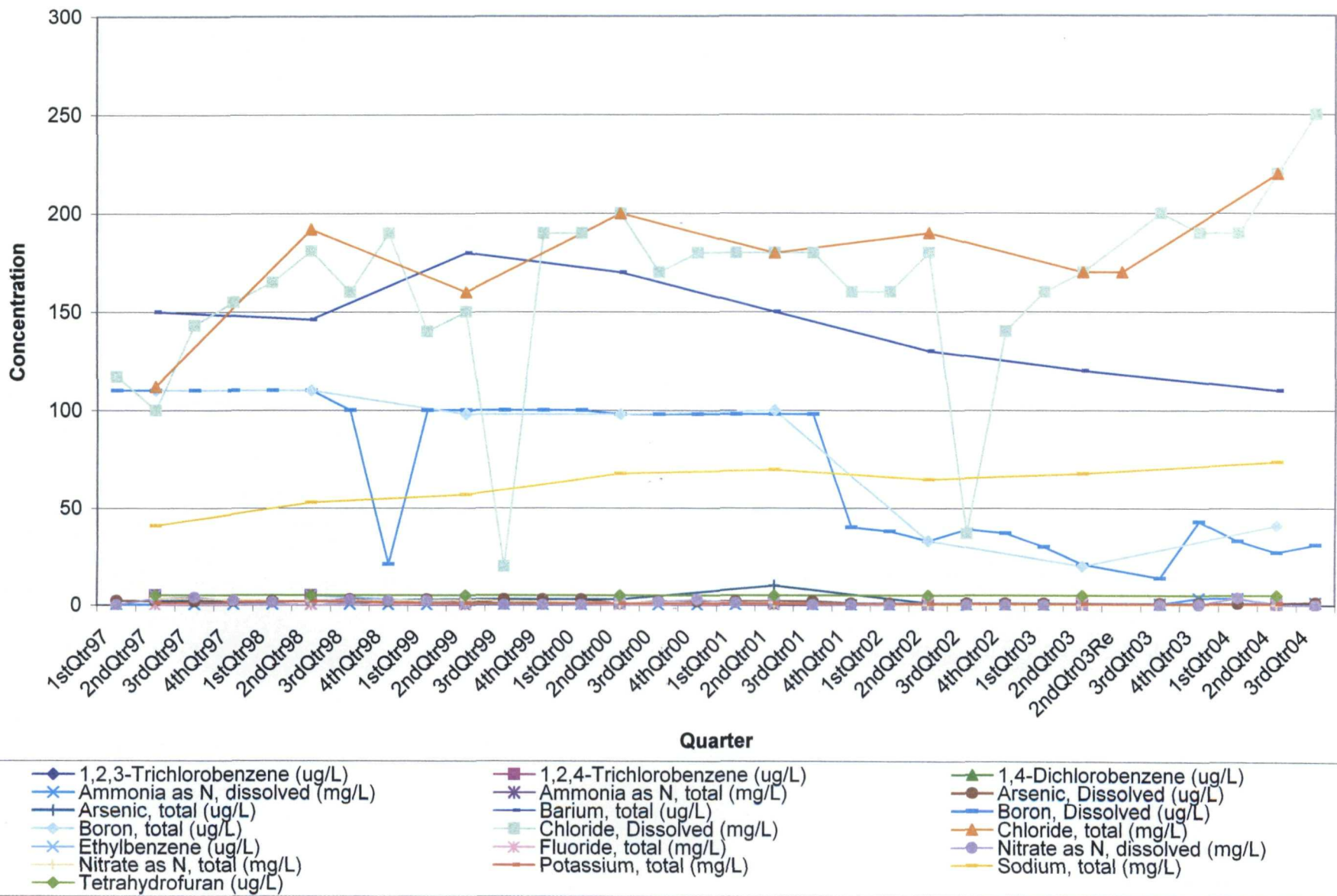


Winnebago Reclamation

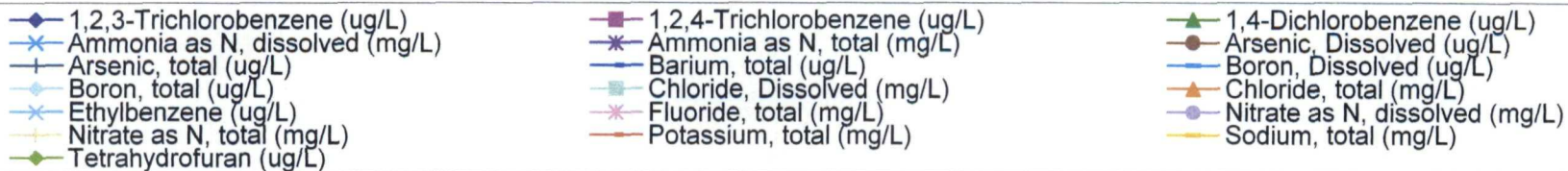
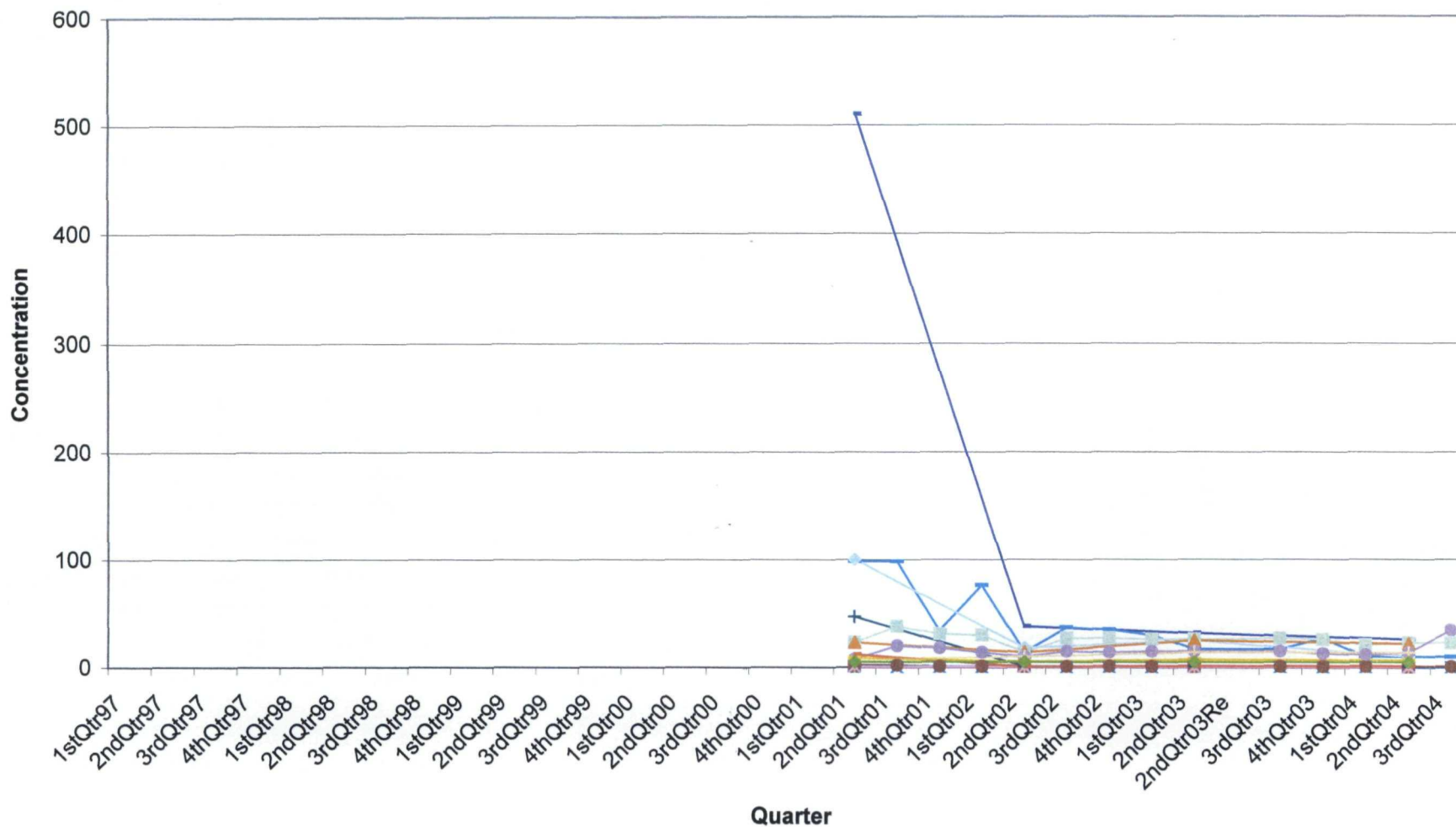
Well G09D



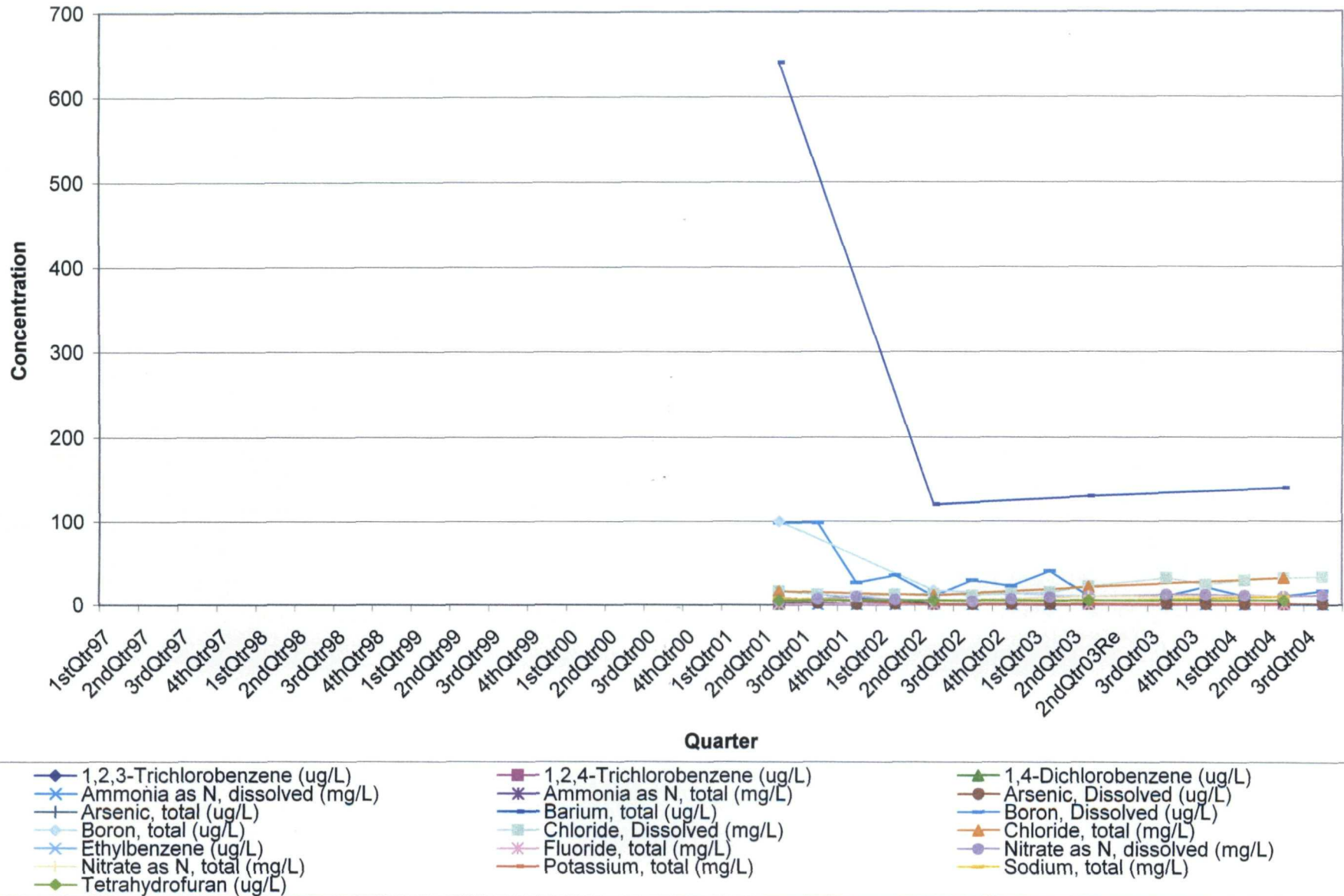
Winnebago Reclamation Well G09M



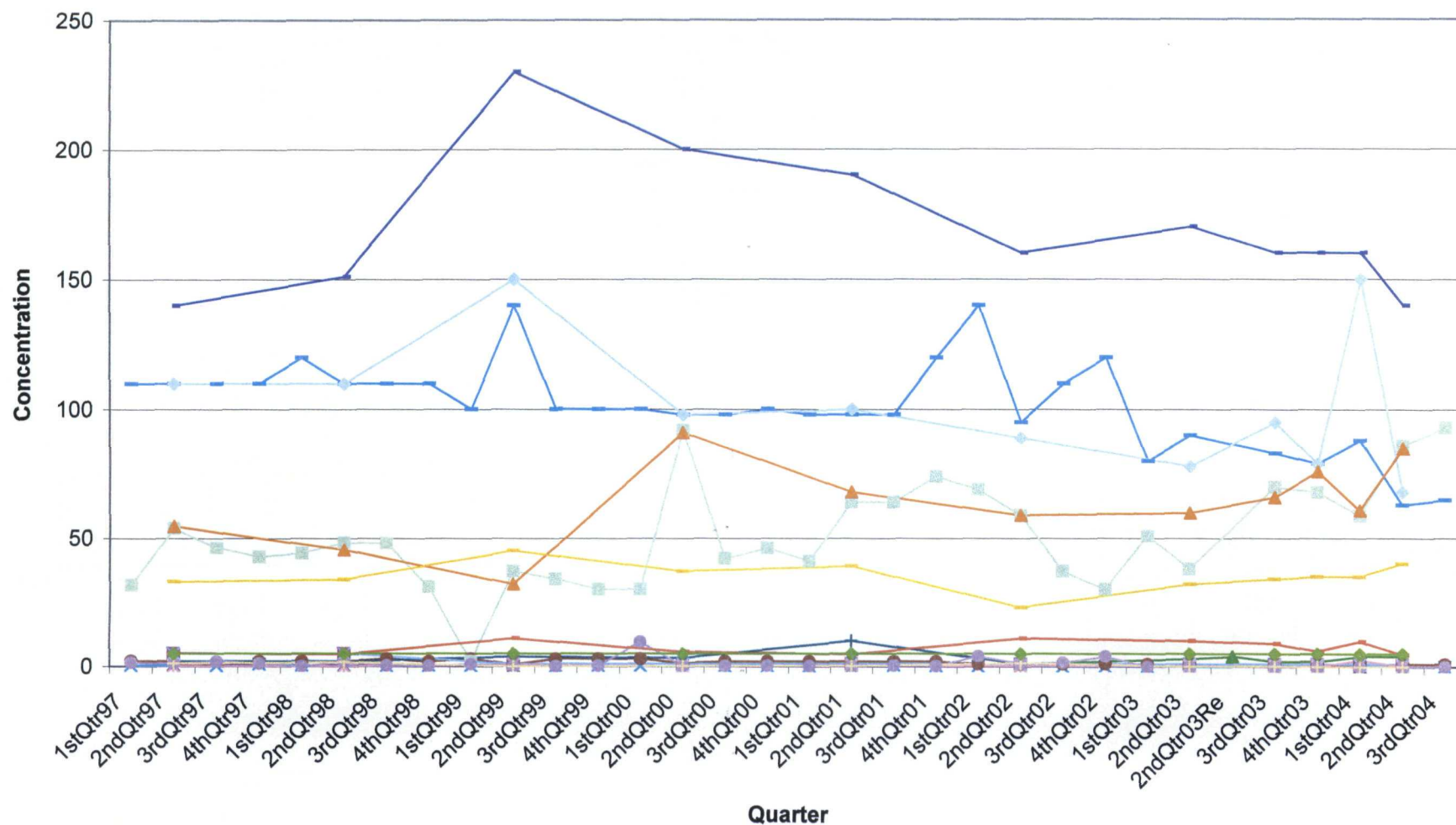
Winnebago Reclamation Well G119



Winnebago Reclamation Well G130

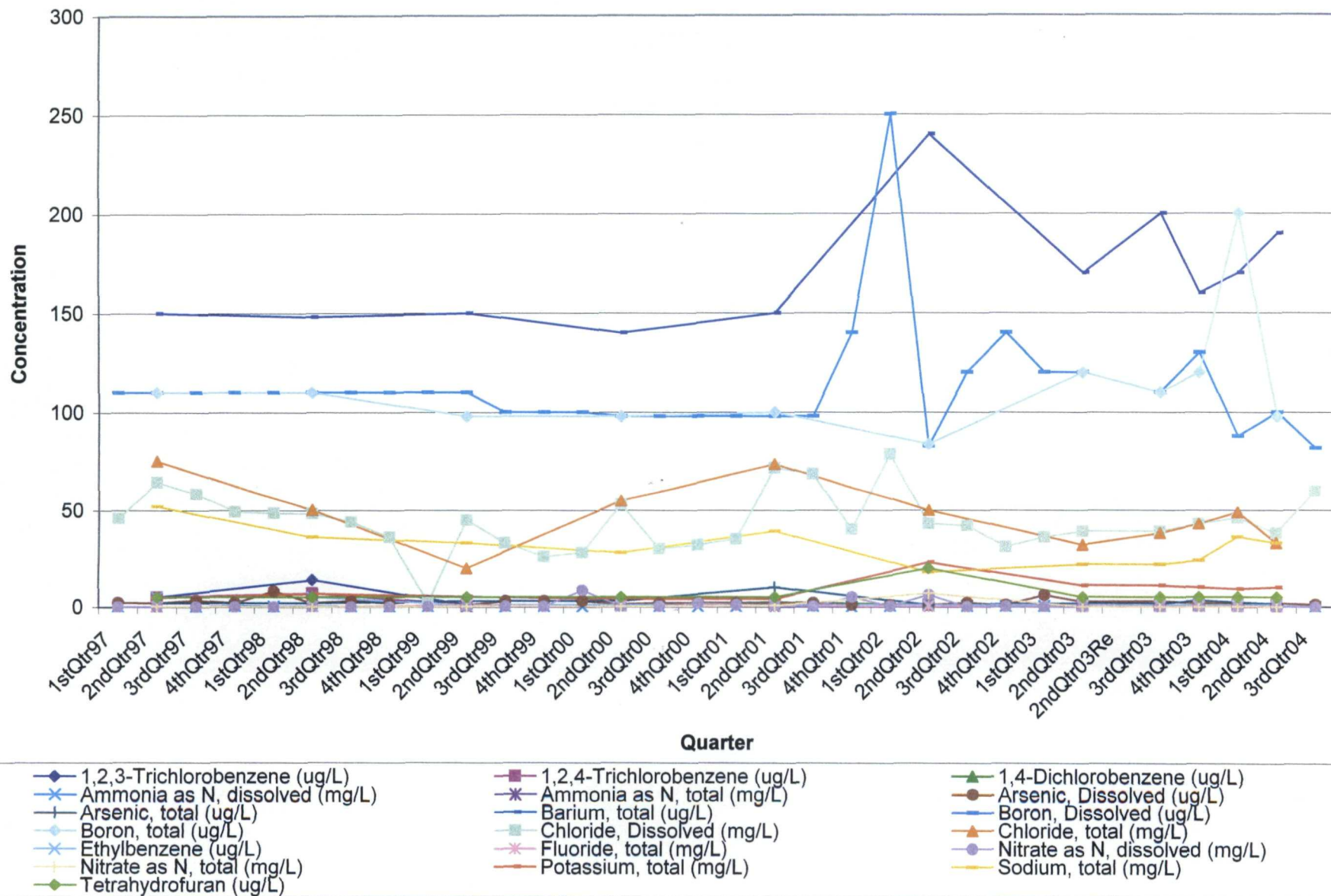


Winnebago Reclamation Well G13D

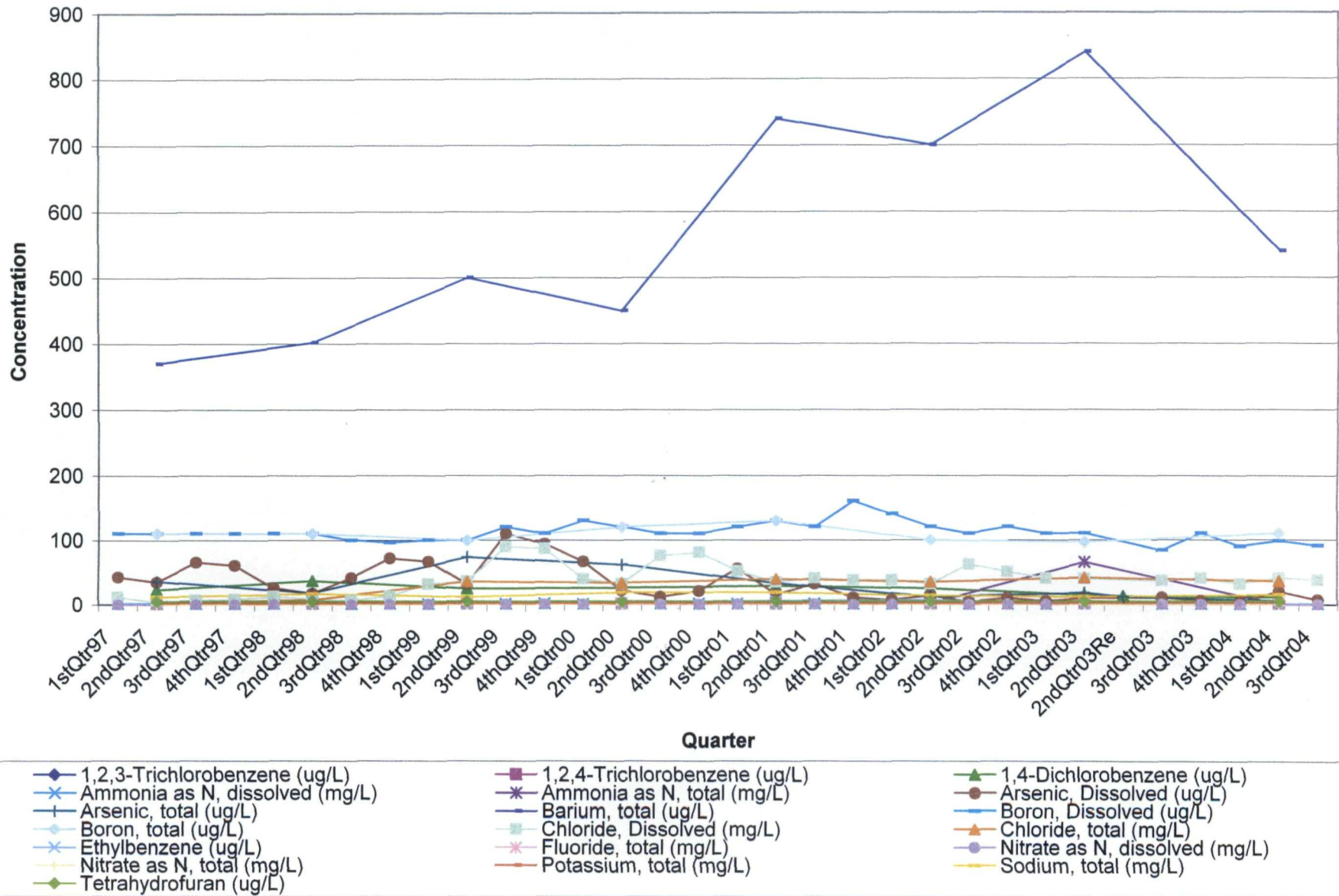


- | | | |
|--------------------------------|-------------------------------|--------------------------------|
| 1,2,3-Trichlorobenzene (ug/L) | 1,2,4-Trichlorobenzene (ug/L) | 1,4-Dichlorobenzene (ug/L) |
| Ammonia as N, dissolved (mg/L) | Ammonia as N, total (mg/L) | Arsenic, Dissolved (ug/L) |
| Arsenic, total (ug/L) | Barium, total (ug/L) | Boron, Dissolved (ug/L) |
| Boron, total (ug/L) | Chloride, Dissolved (mg/L) | Chloride, total (mg/L) |
| Ethylbenzene (ug/L) | Fluoride, total (mg/L) | Nitrate as N, dissolved (mg/L) |
| Nitrate as N, total (mg/L) | Potassium, total (mg/L) | Sodium, total (mg/L) |
| Tetrahydrofuran (ug/L) | | |

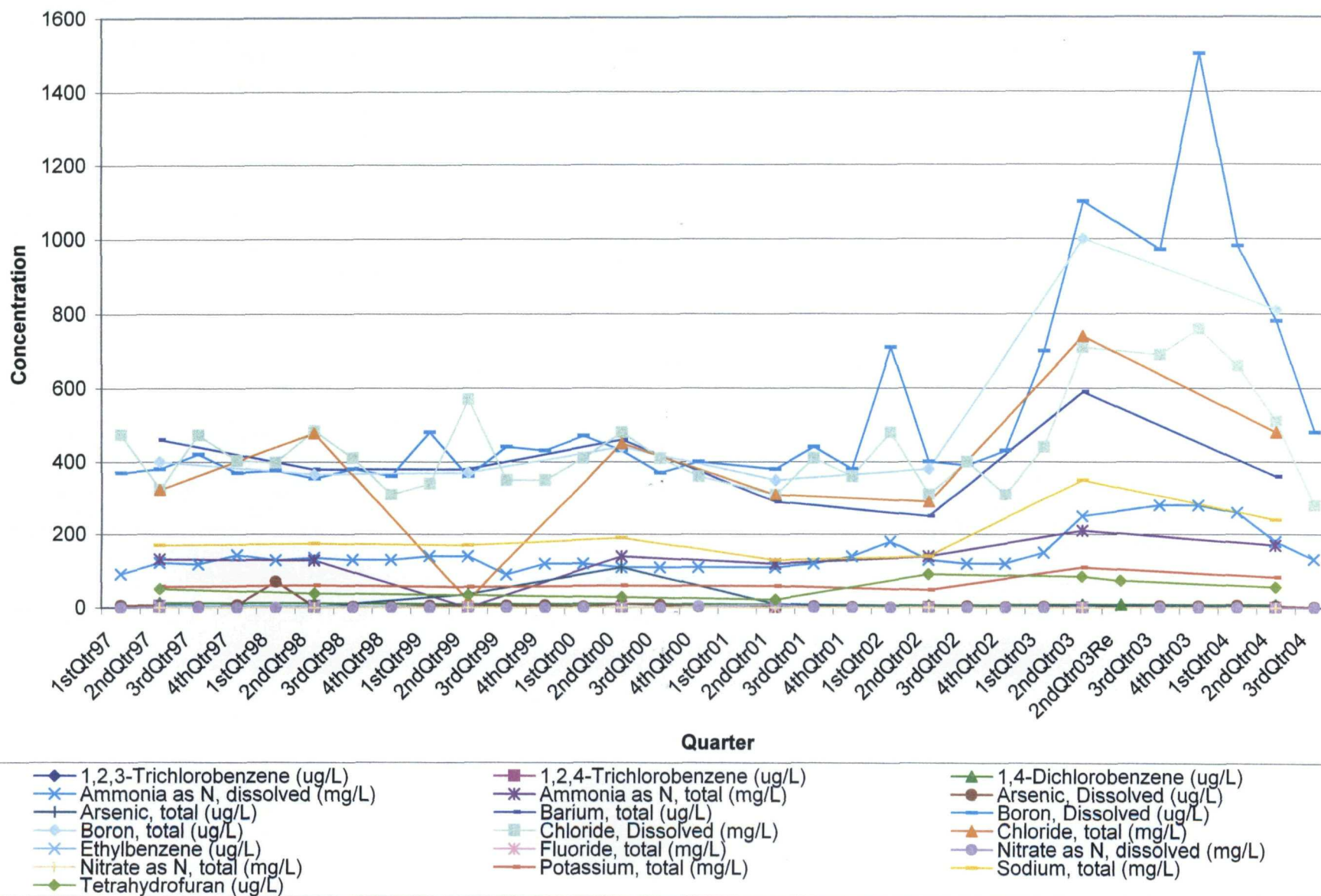
Winnebago Reclamation Well G13S



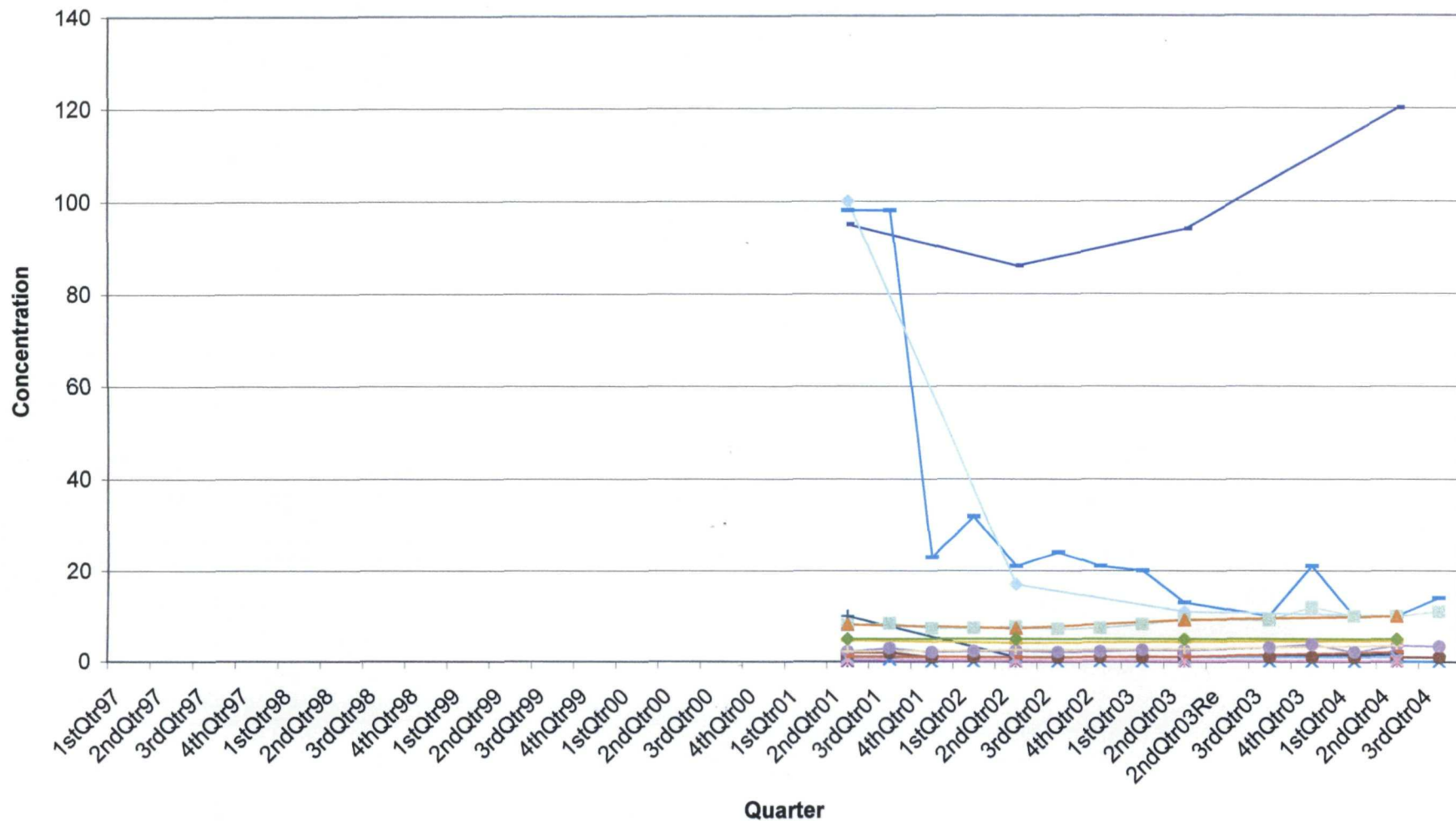
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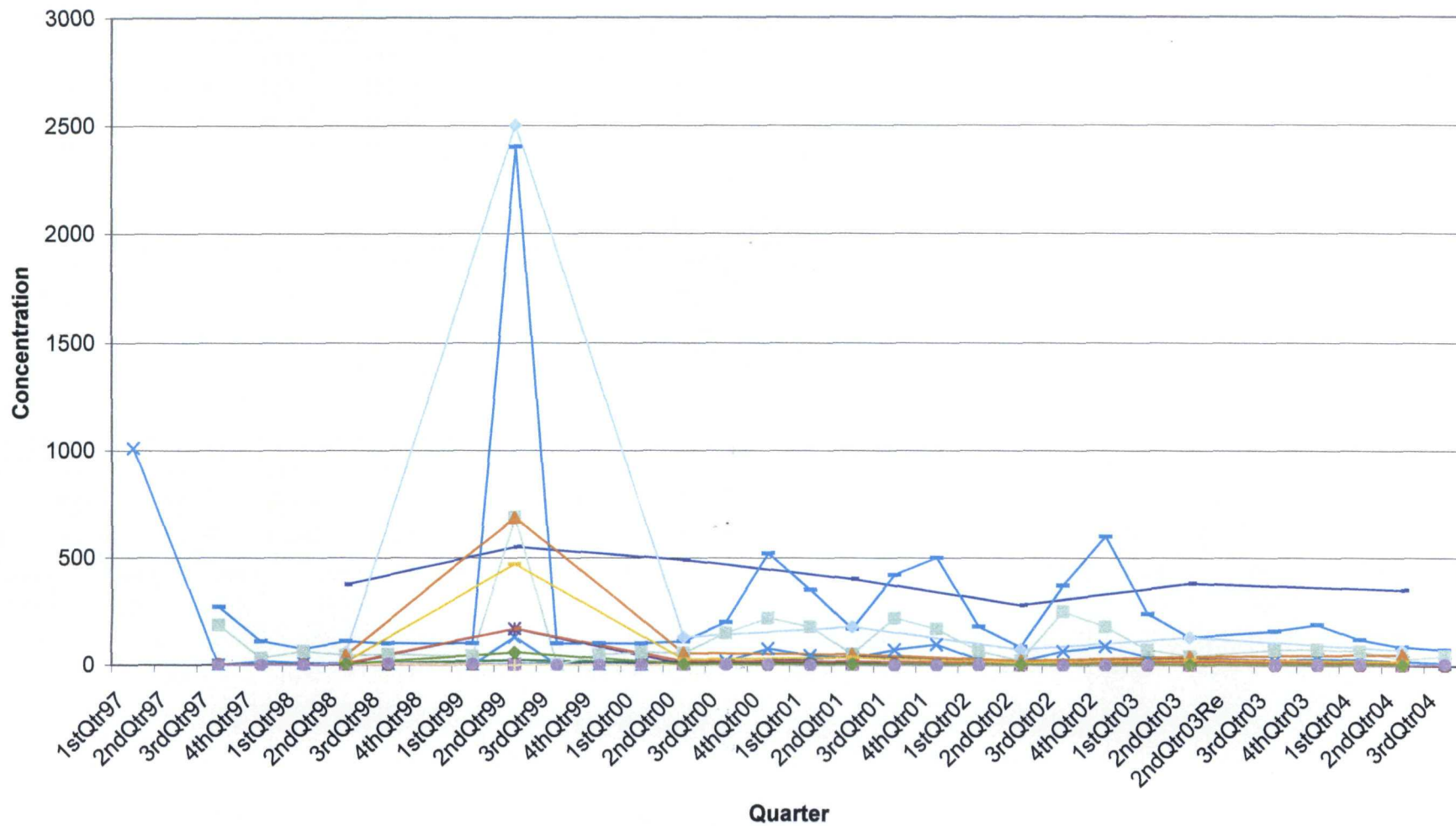
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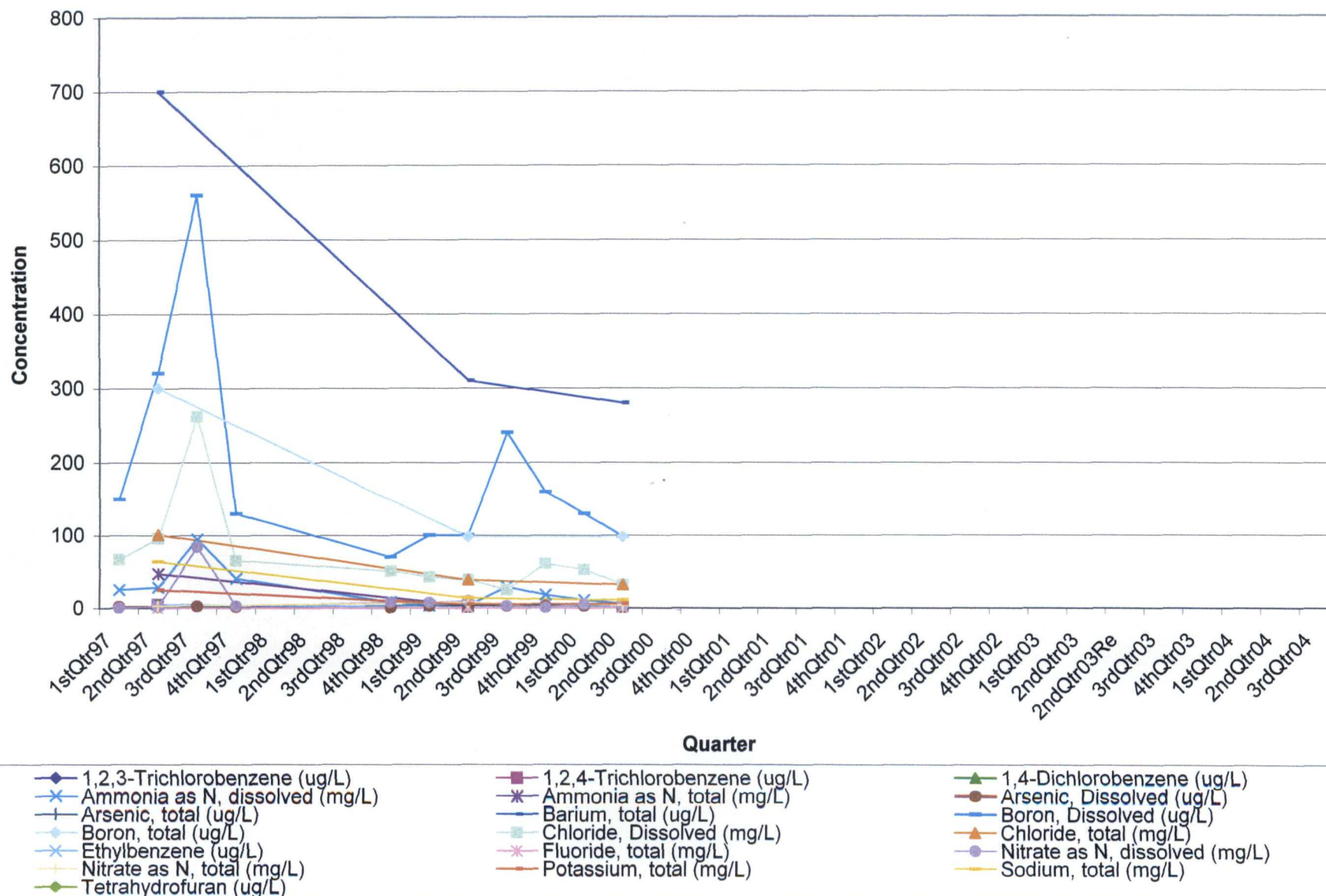
Winnebago Reclamation Well G16D



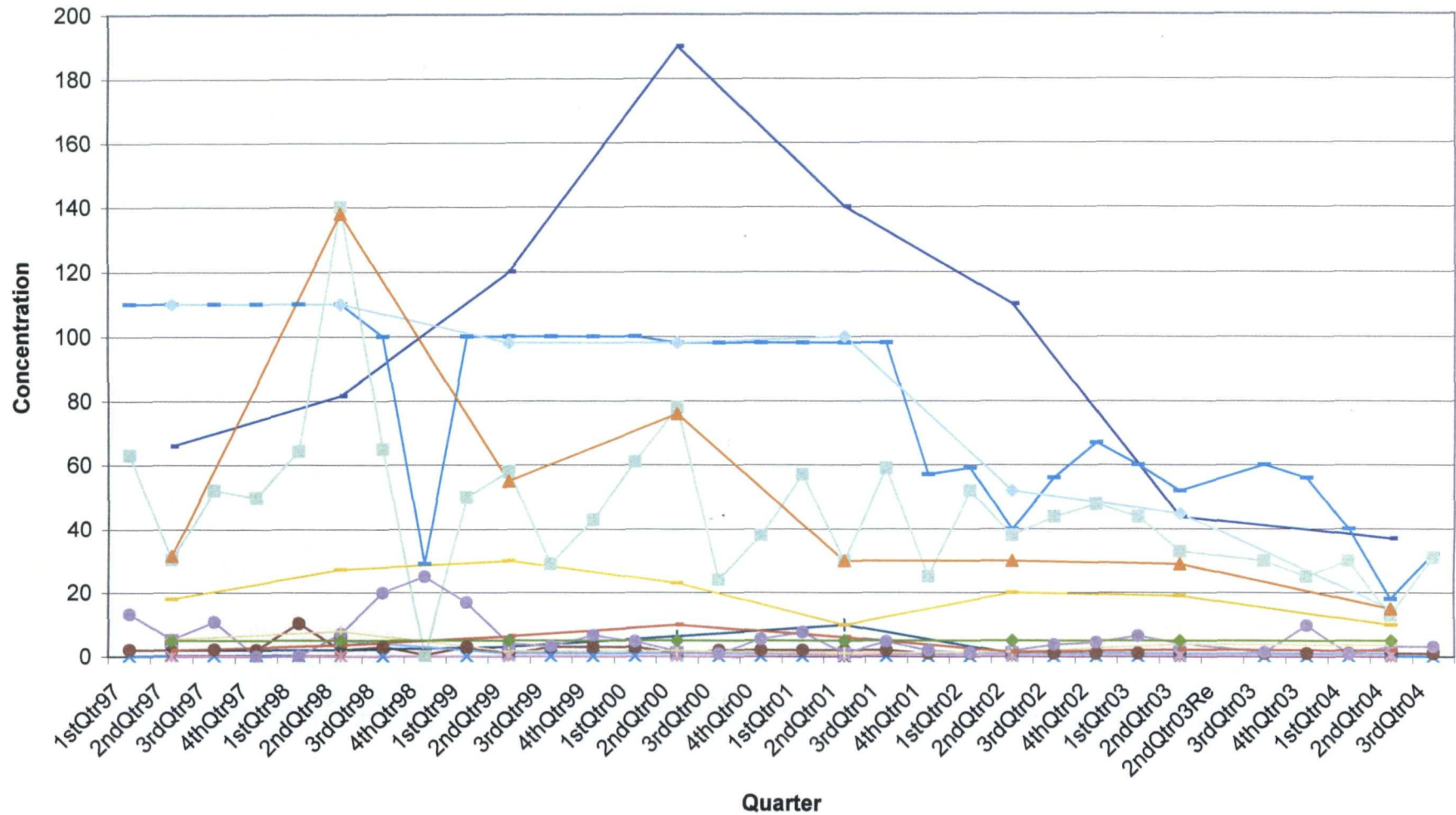
Winnebago Reclamation Well G16M



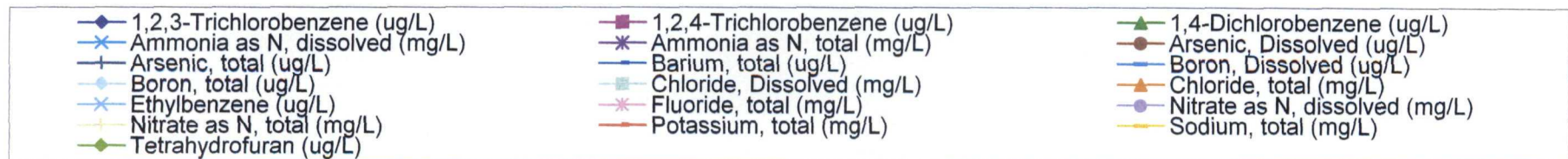
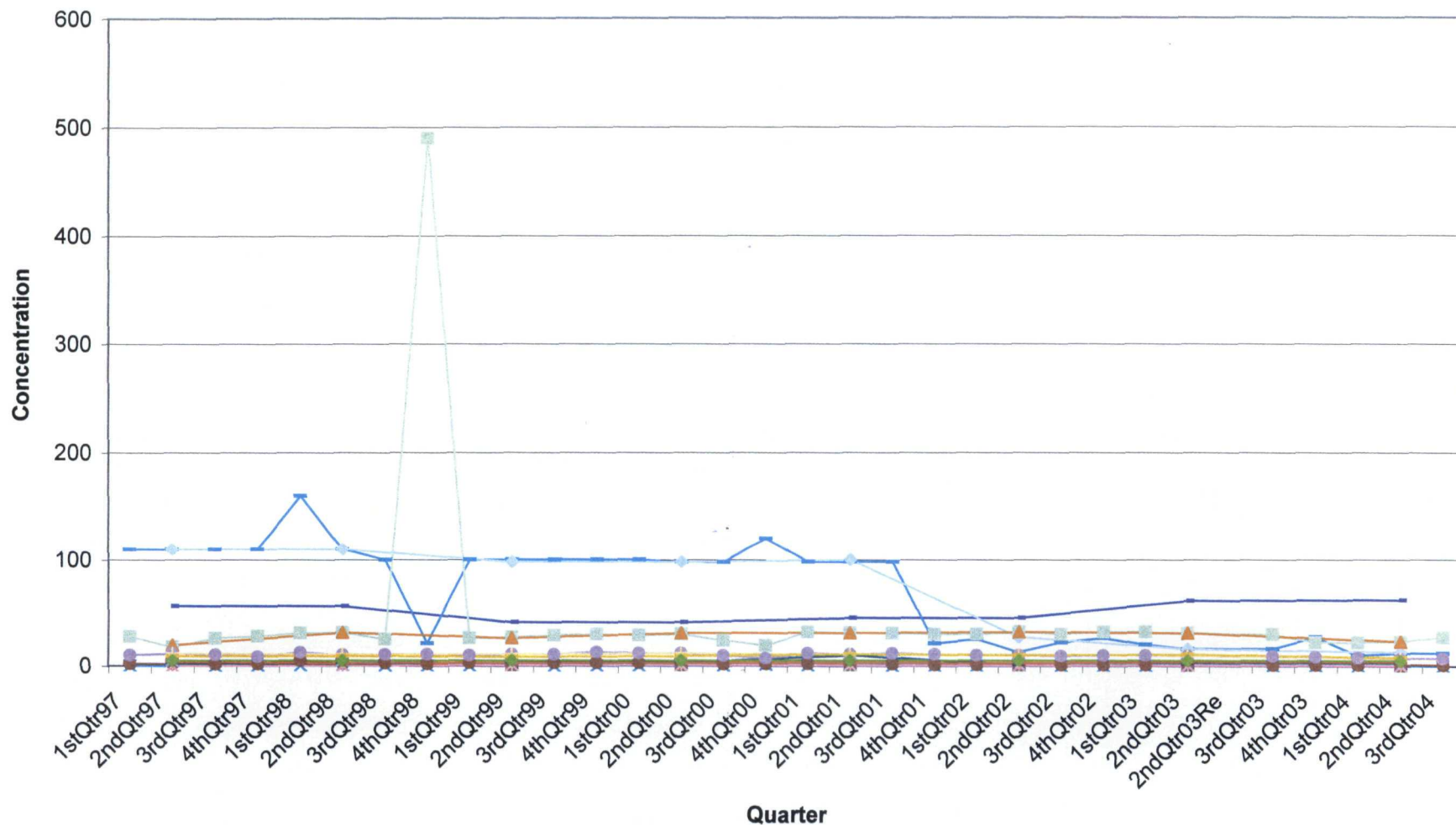
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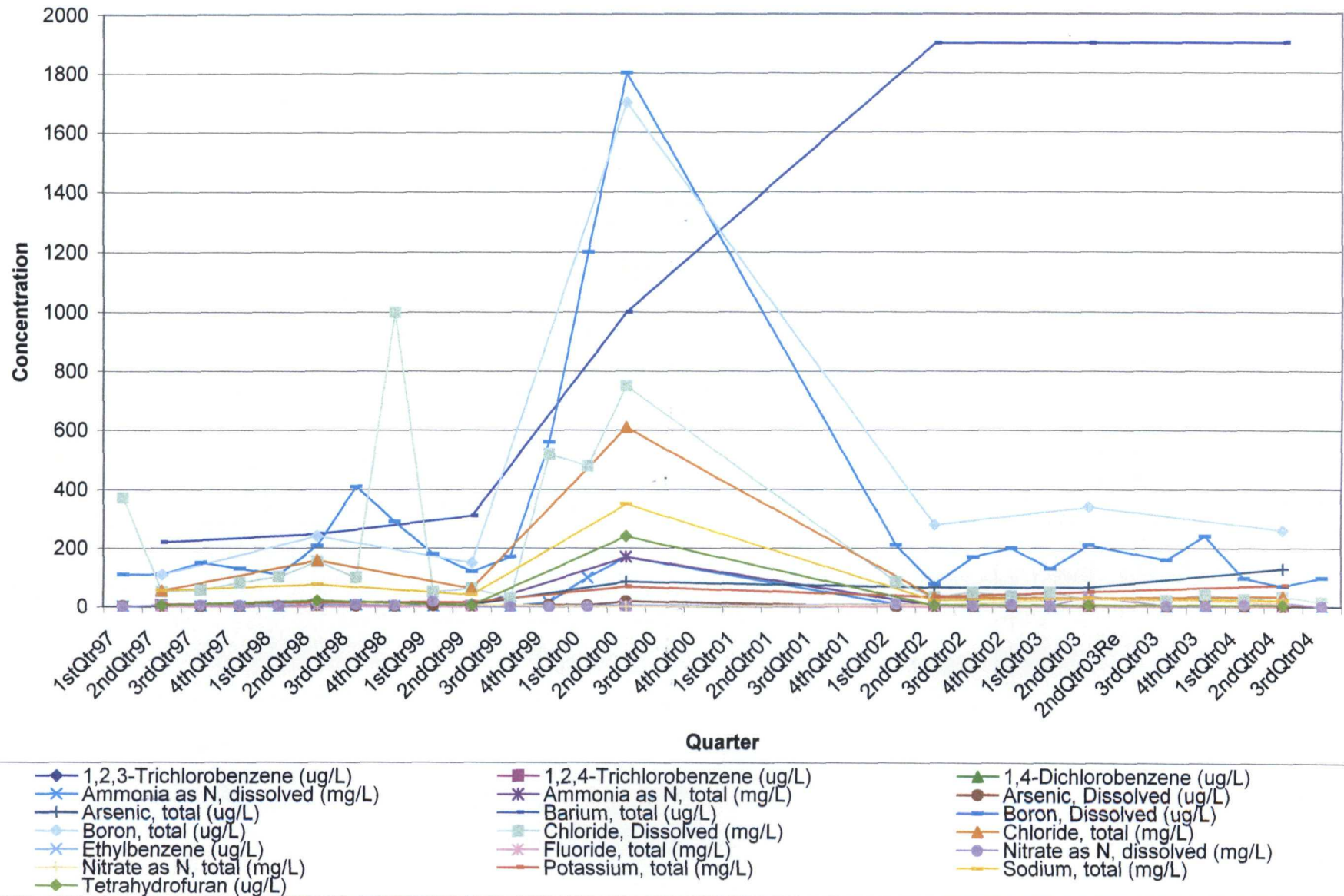
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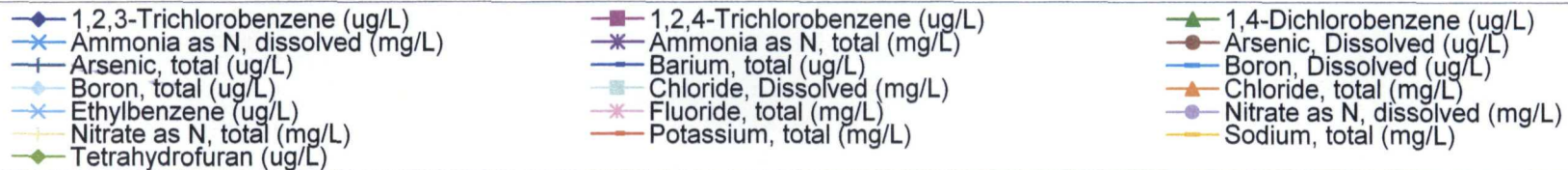
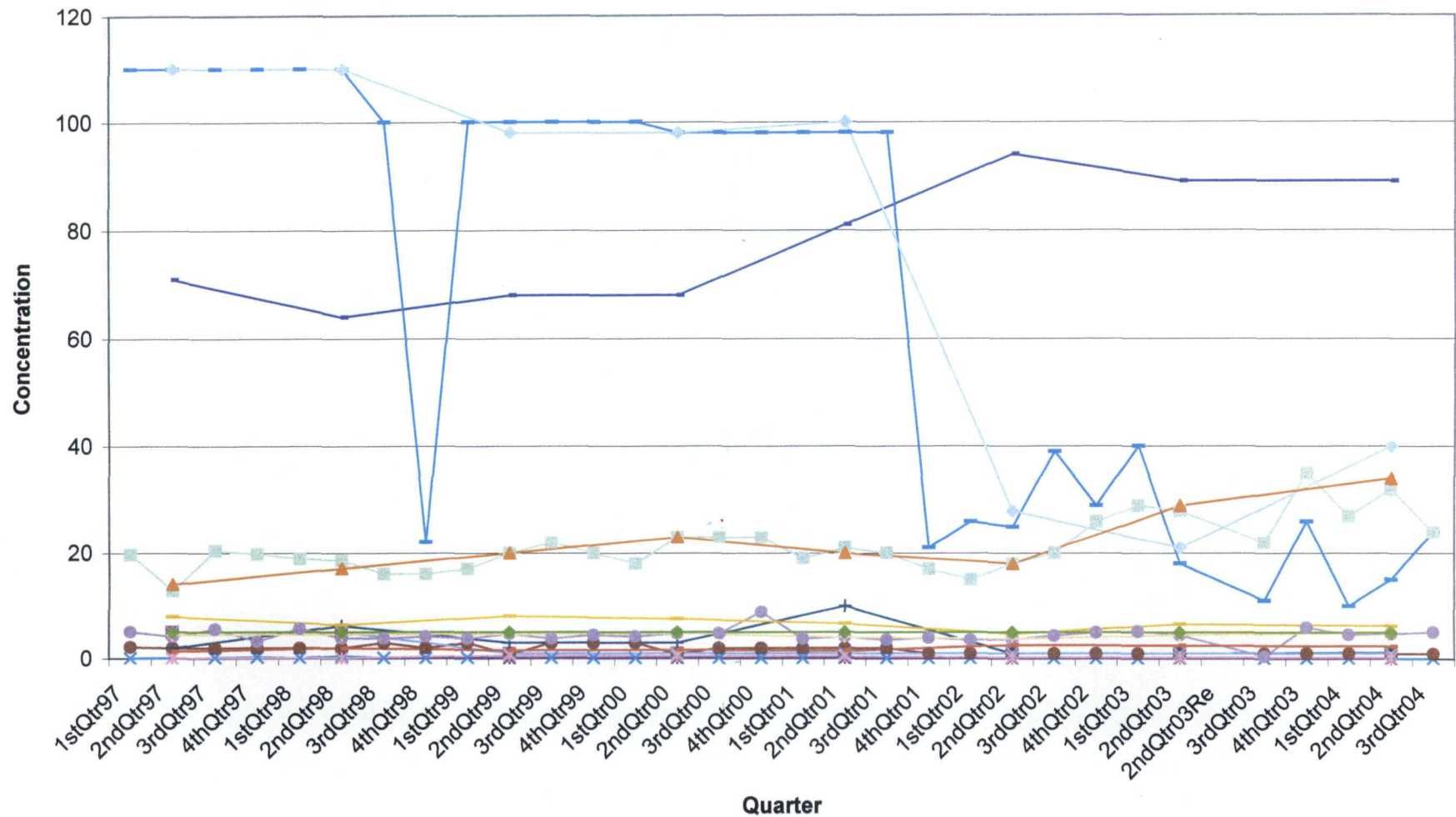
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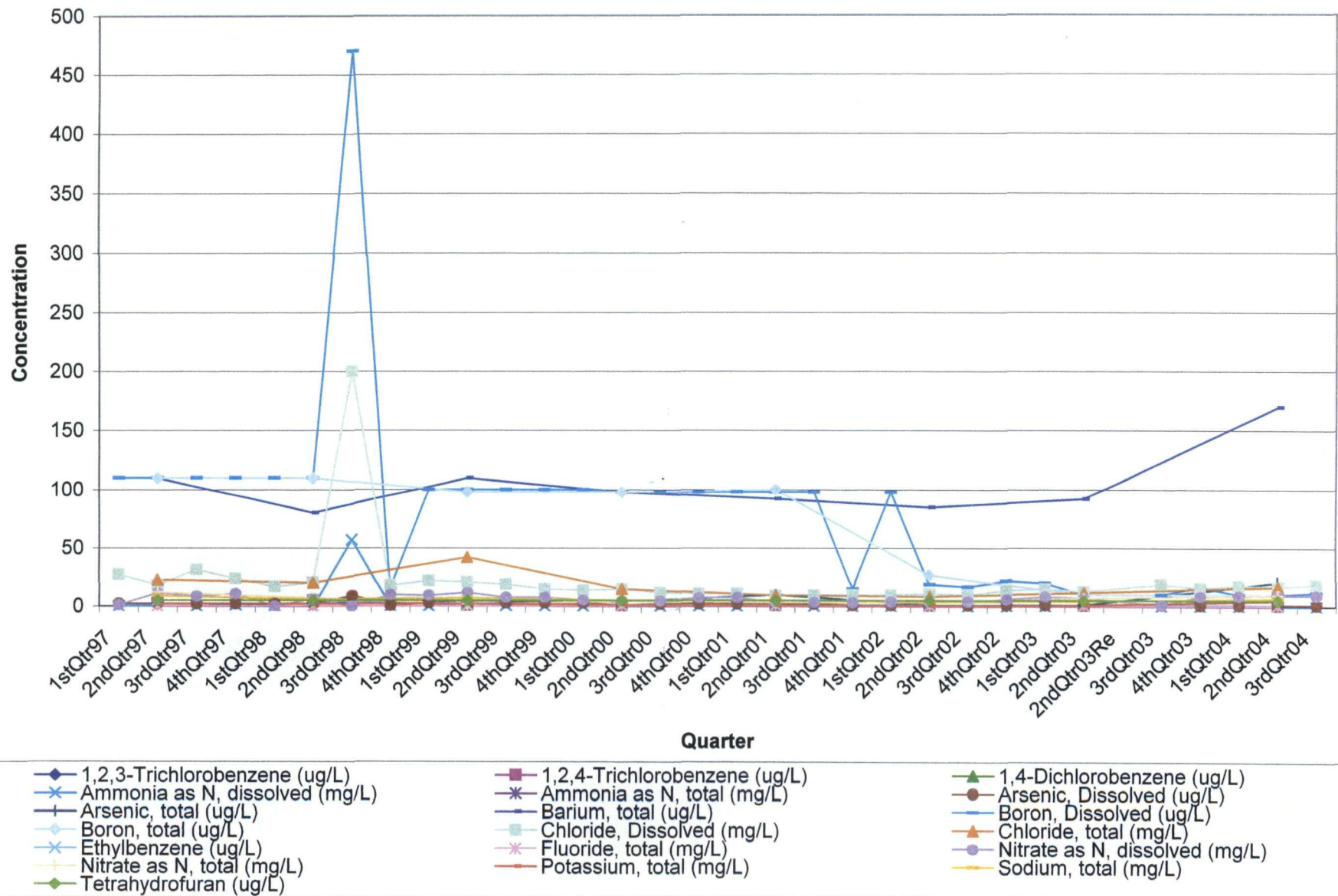
Winnebago Reclamation Well G18S



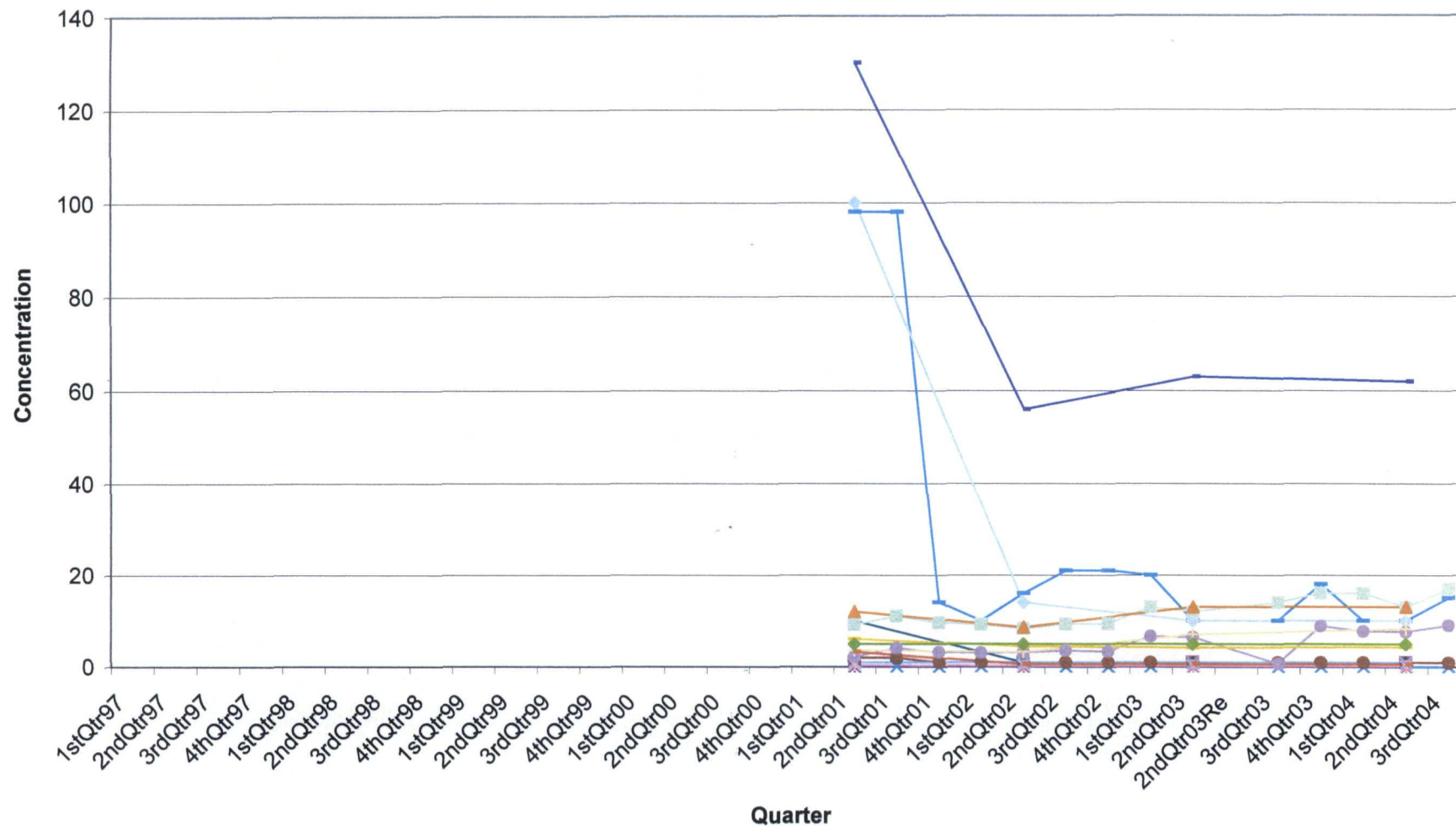
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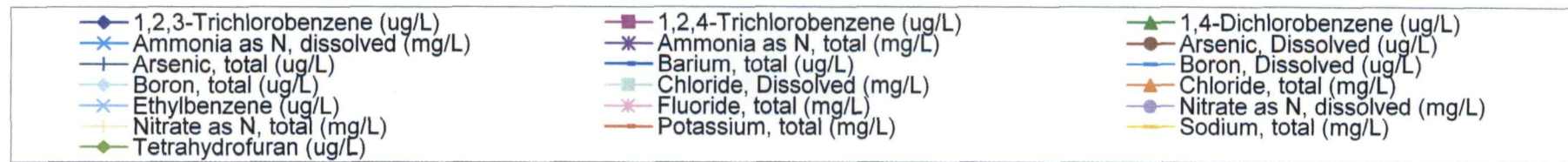
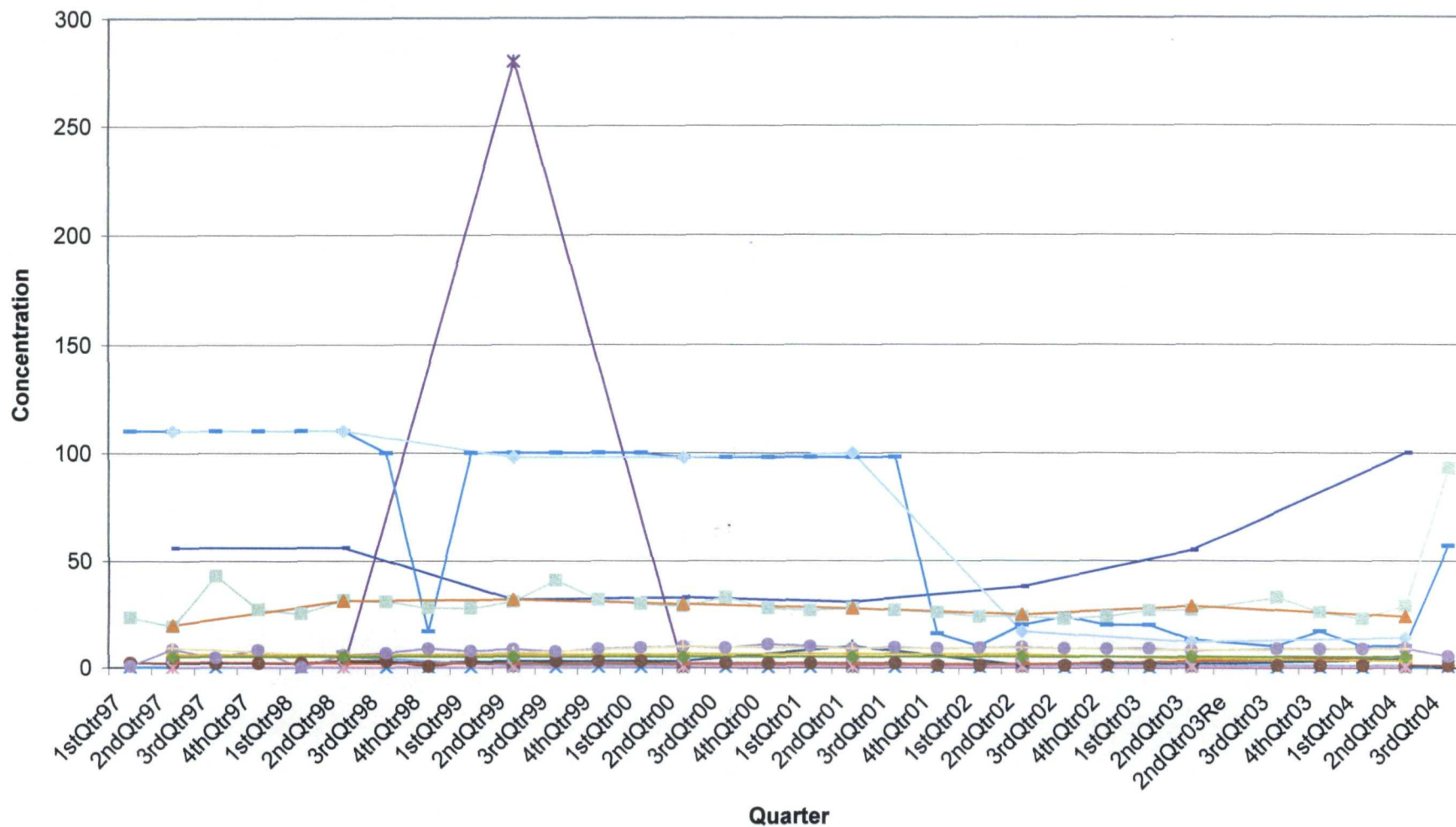
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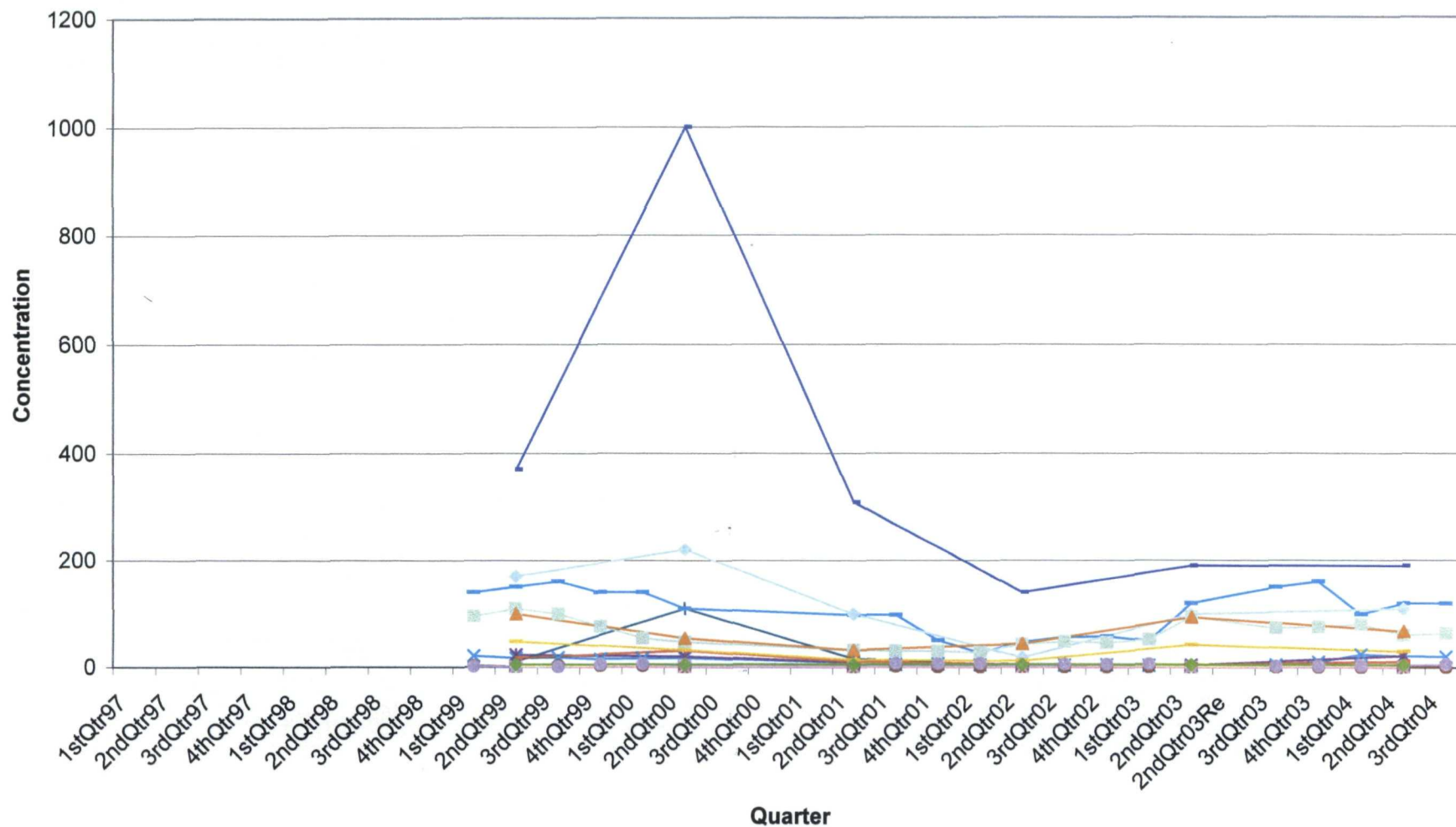
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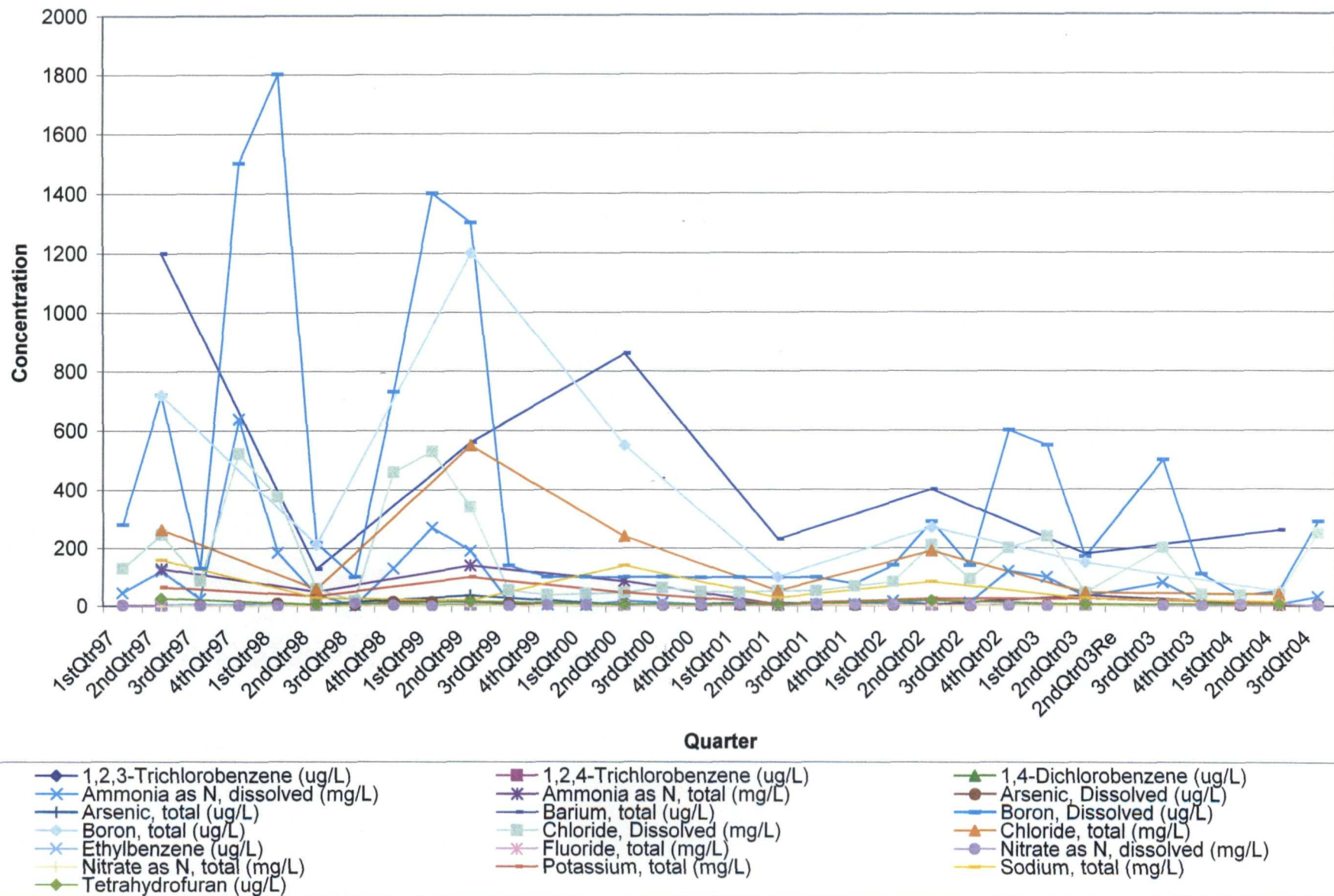
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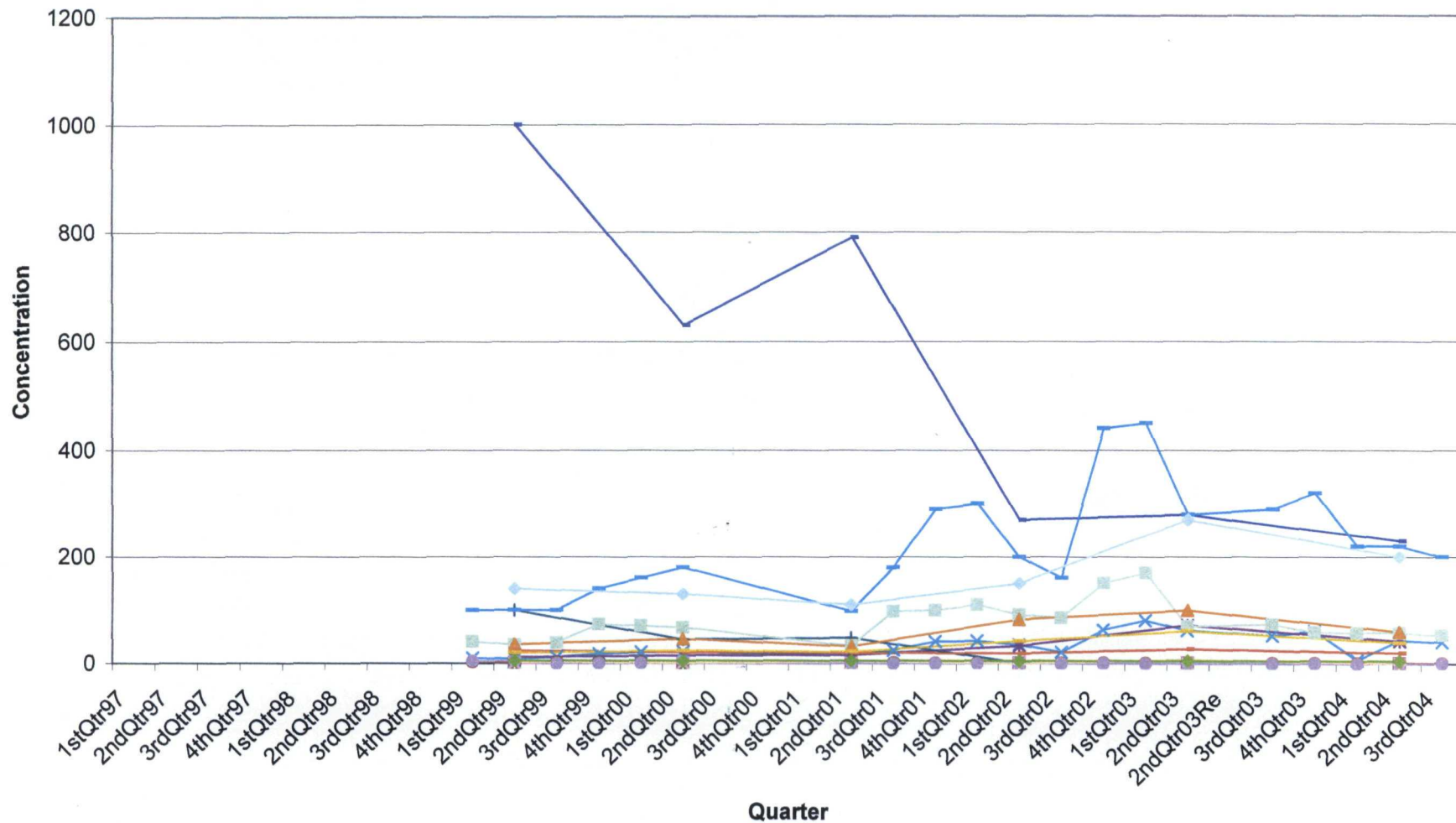
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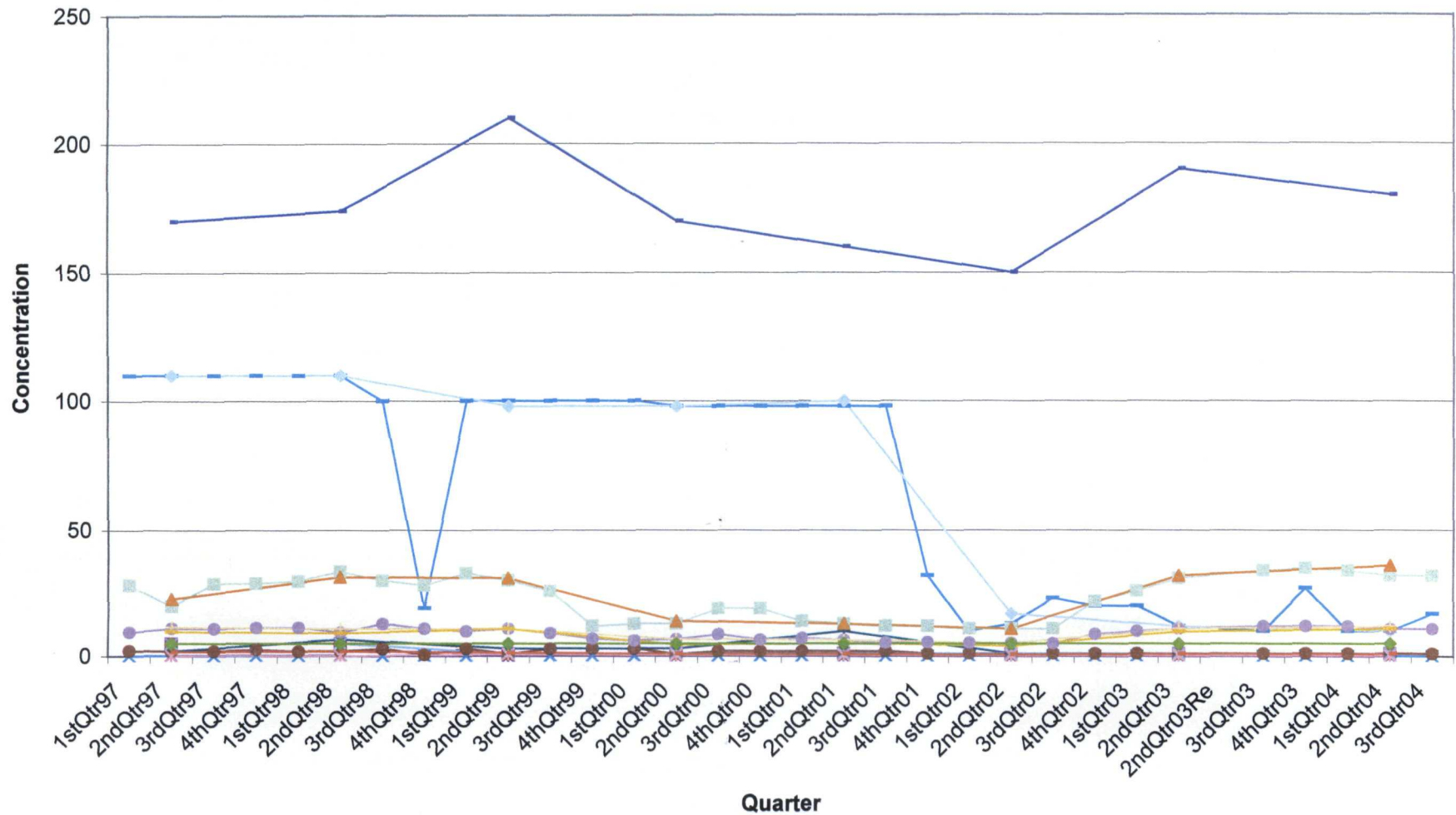
Winnebago Reclamation Well G35D



Winnebago Reclamation Well G35S

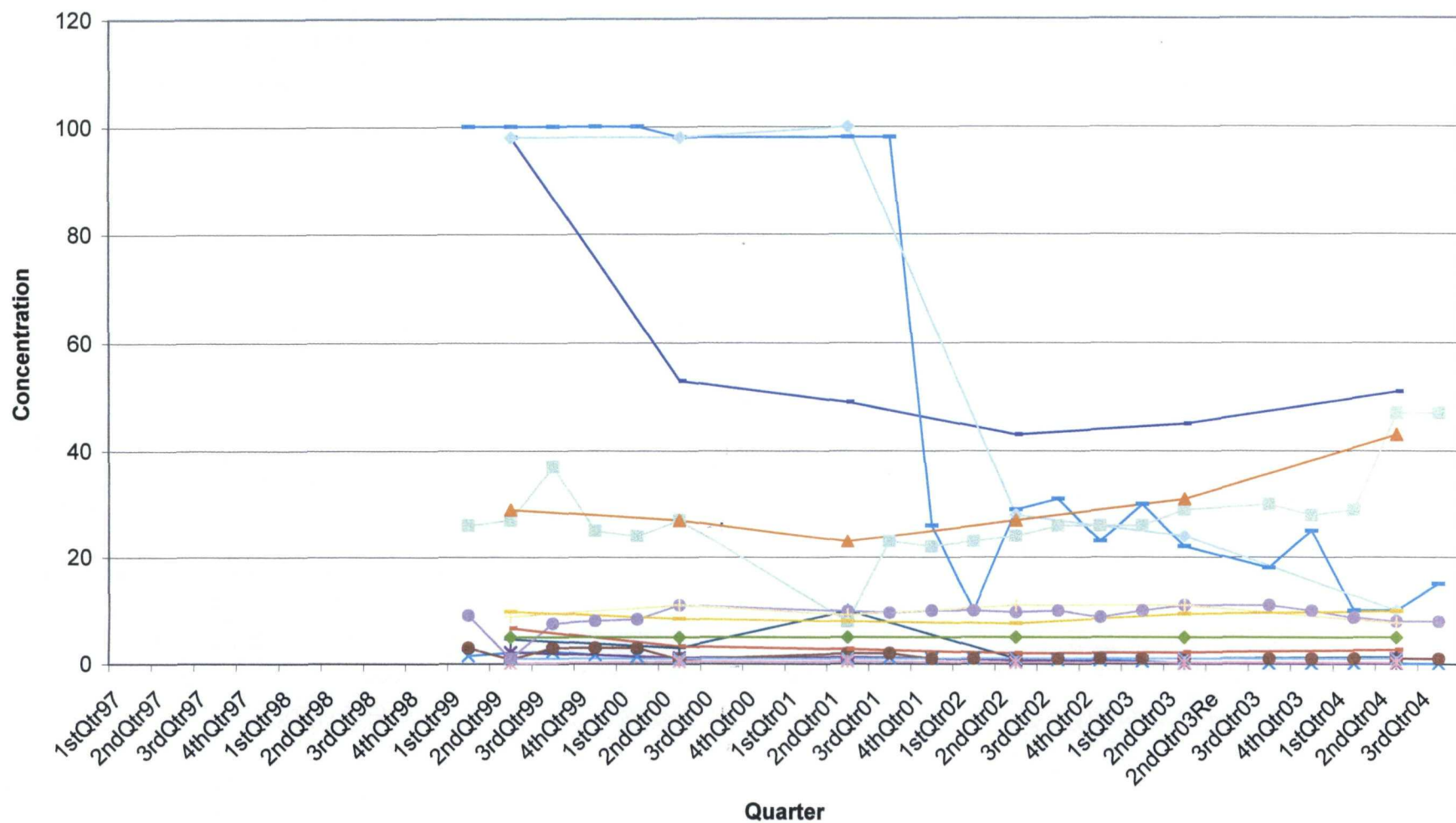


Winnebago Reclamation Well G36S

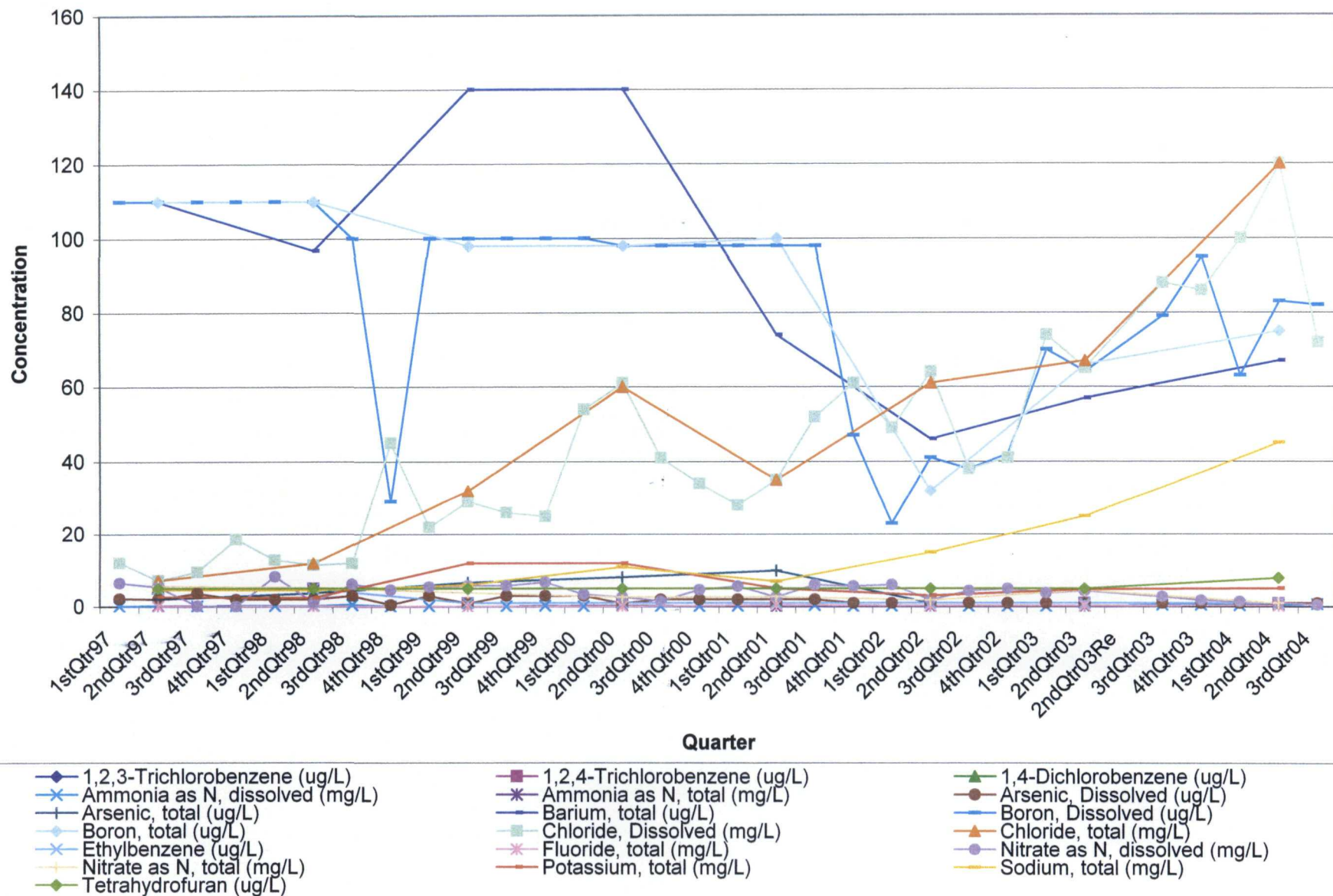


Winnebago Reclamation

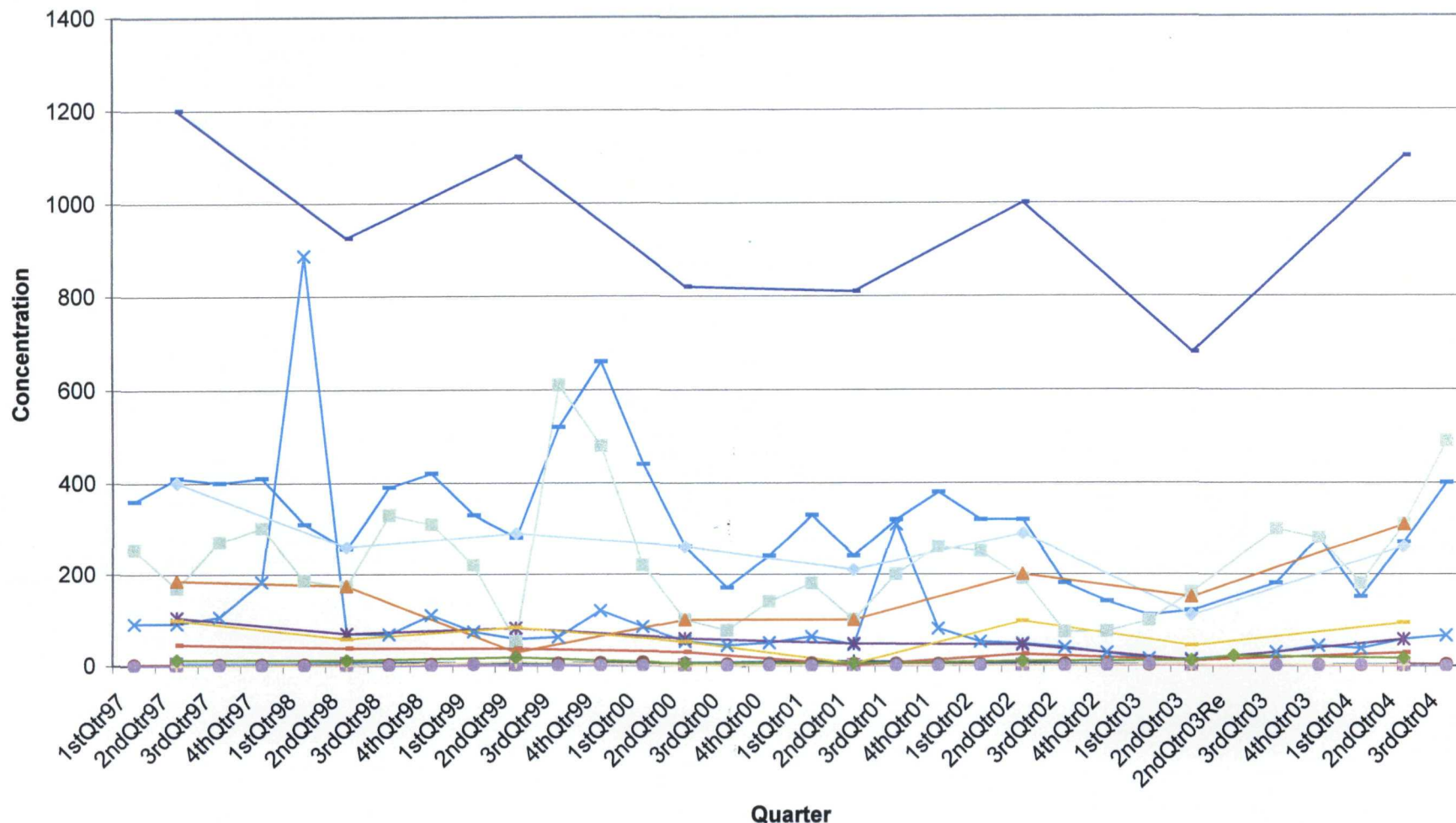
Well G37D



Winnebago Reclamation Well G37S

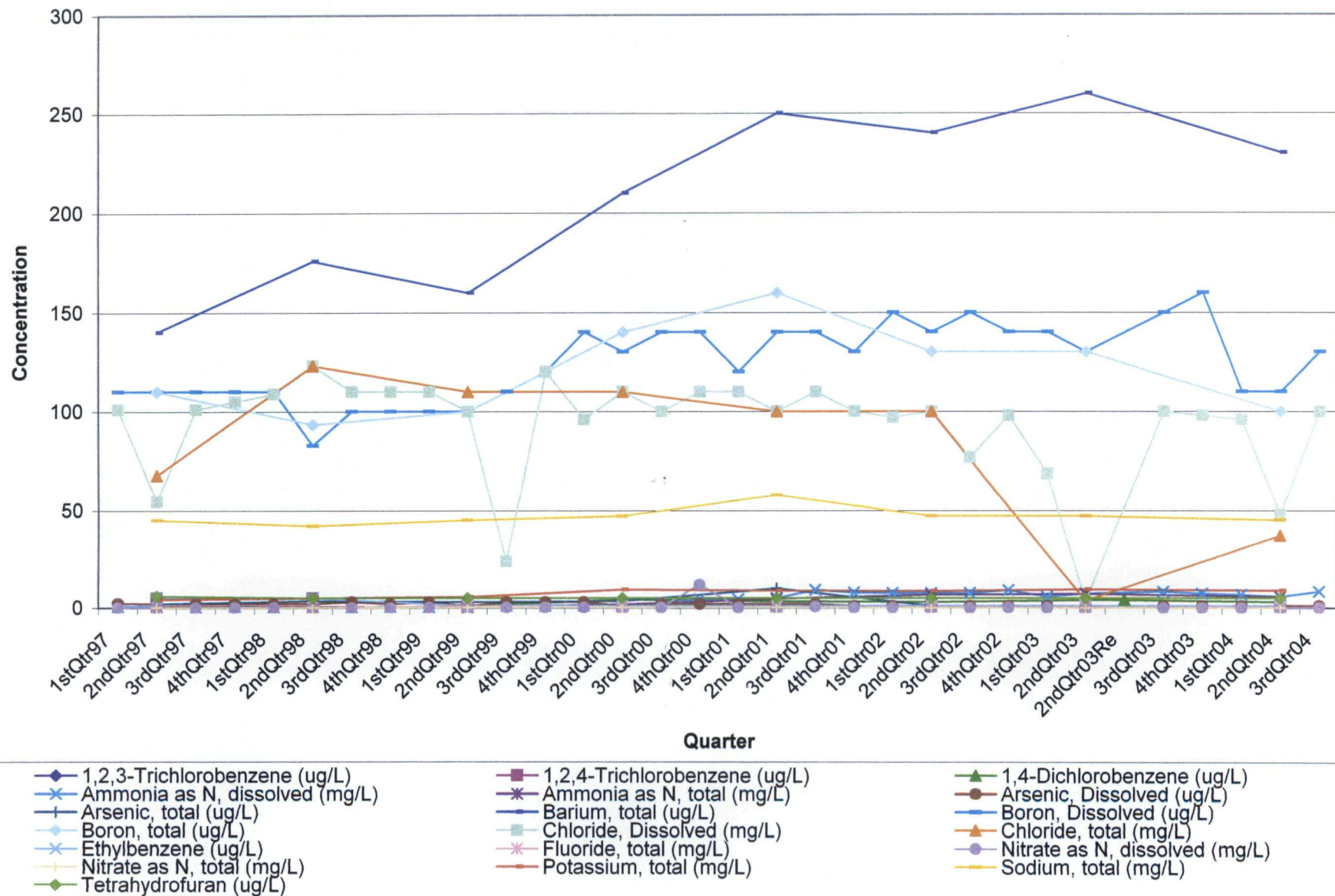


Winnebago Reclamation Well G38S

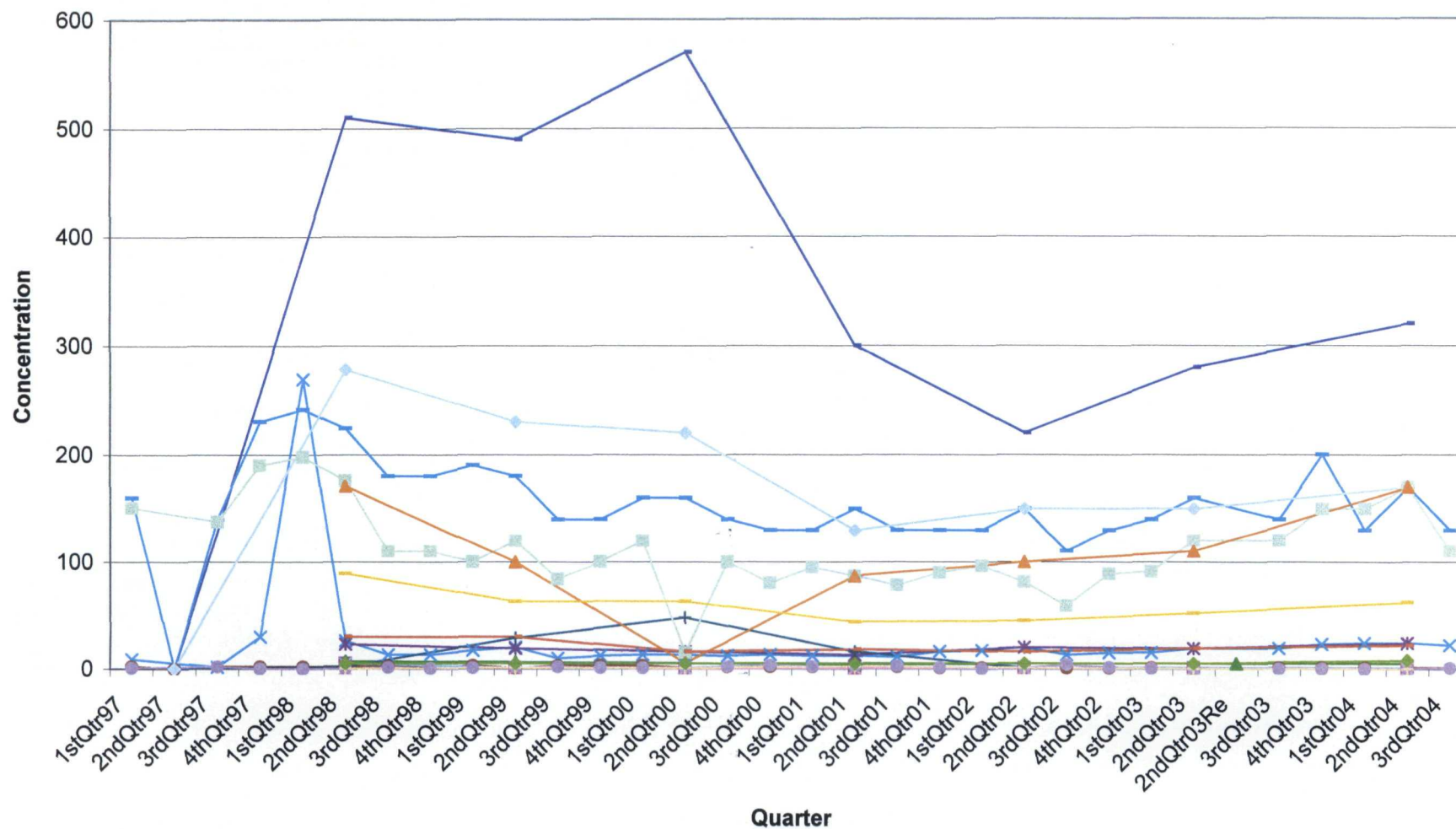


- | | | |
|--------------------------------|-------------------------------|--------------------------------|
| 1,2,3-Trichlorobenzene (ug/L) | 1,2,4-Trichlorobenzene (ug/L) | 1,4-Dichlorobenzene (ug/L) |
| Ammonia as N, dissolved (mg/L) | Ammonia as N, total (mg/L) | Arsenic, Dissolved (ug/L) |
| Arsenic, total (ug/L) | Barium, total (ug/L) | Boron, Dissolved (ug/L) |
| Boron, total (ug/L) | Chloride, Dissolved (mg/L) | Chloride, total (mg/L) |
| Ethylbenzene (ug/L) | Fluoride, total (mg/L) | Nitrate as N, dissolved (mg/L) |
| Nitrate as N, total (mg/L) | Potassium, total (mg/L) | Sodium, total (mg/L) |
| Tetrahydrofuran (ug/L) | | |

Winnebago Reclamation Well G39S

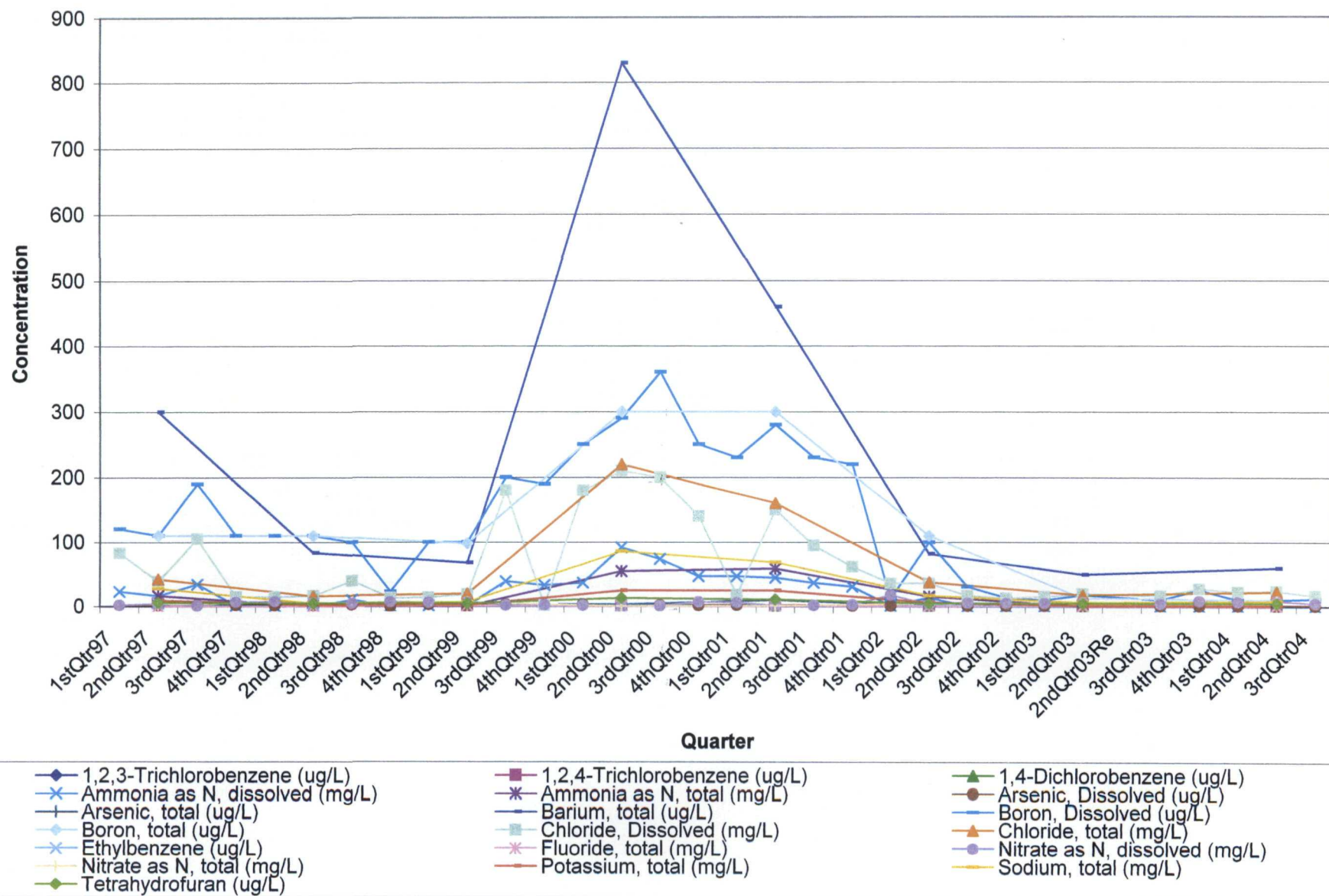


Winnebago Reclamation Well G40S



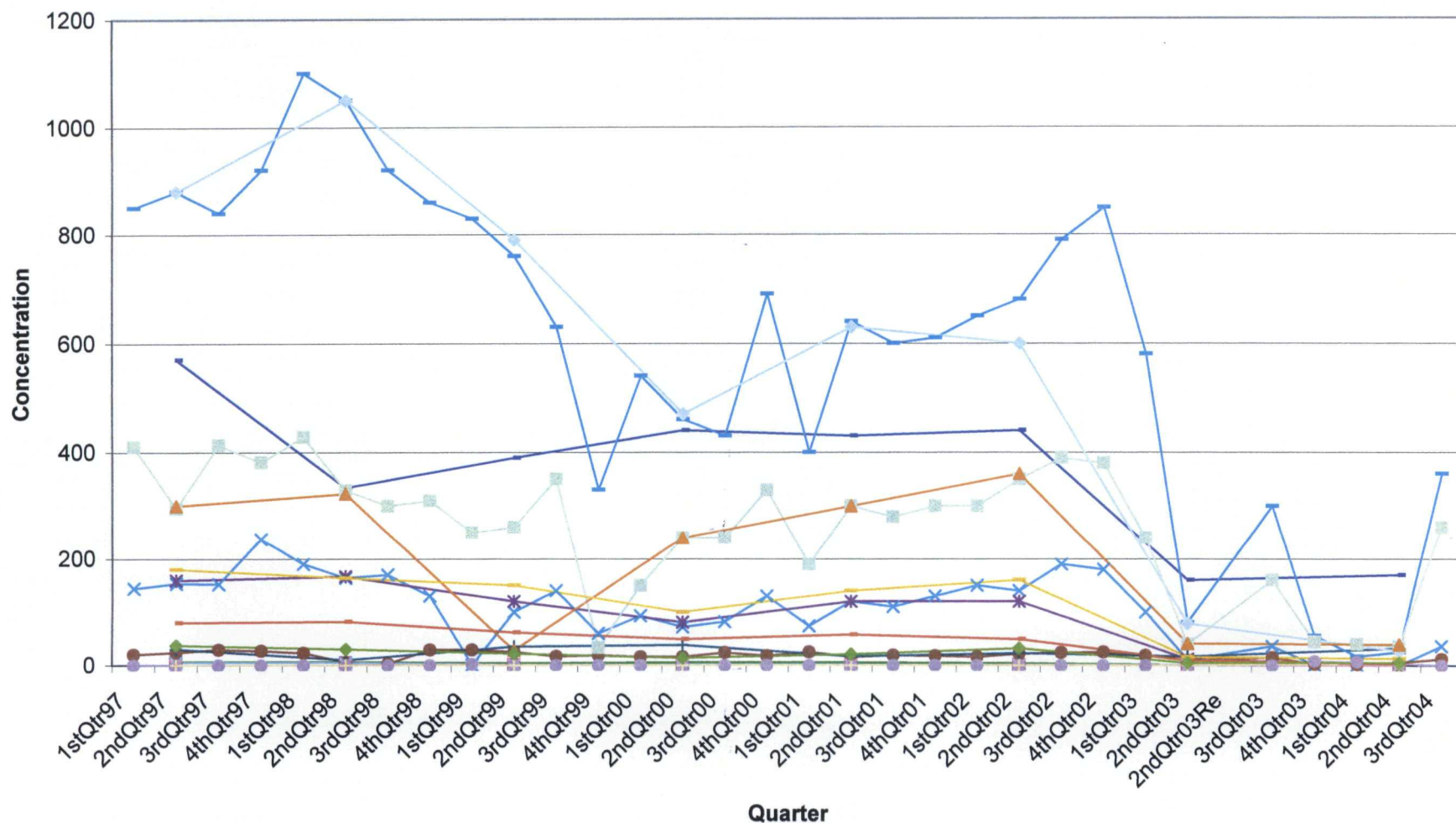
Winnebago Reclamation

Well G41D

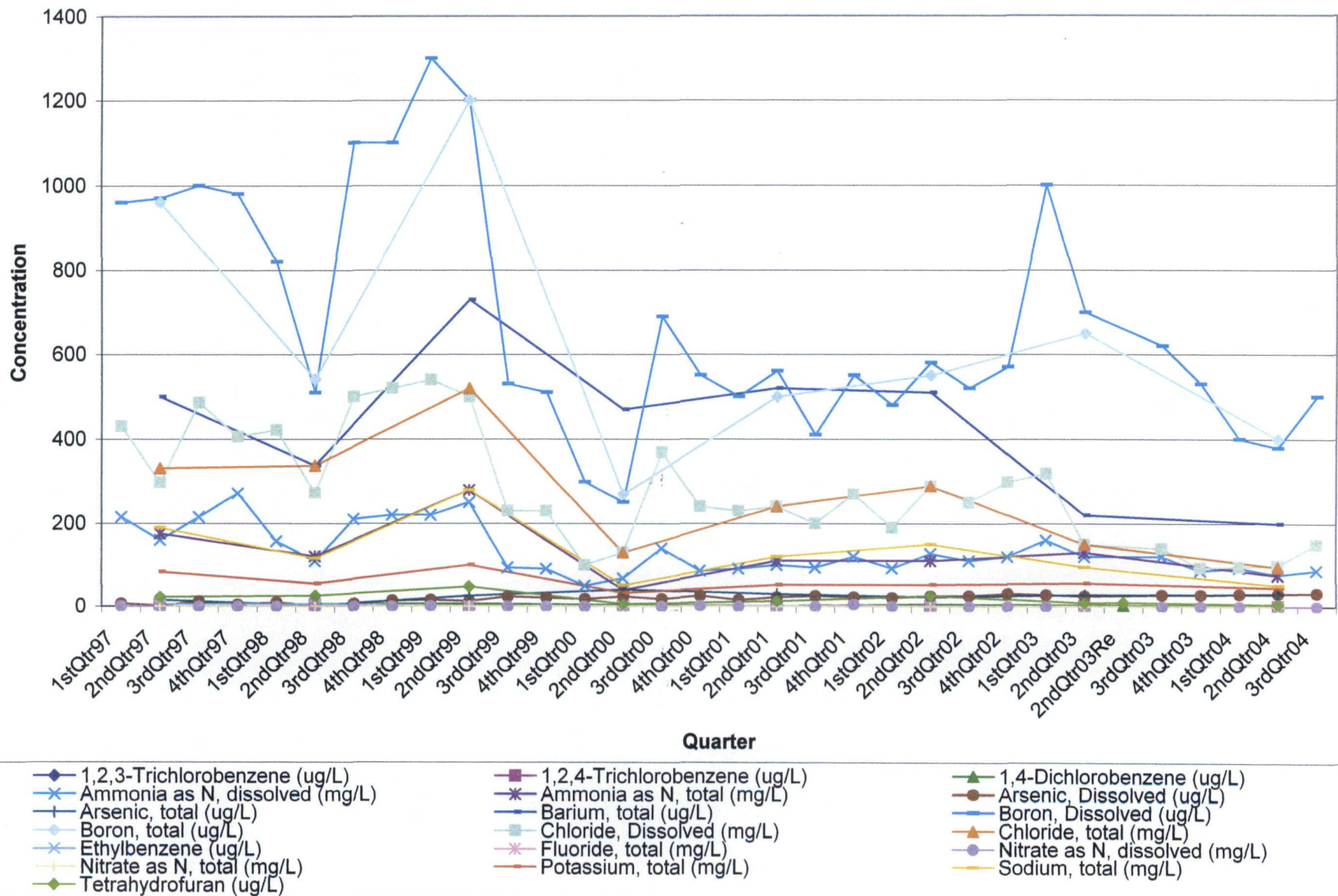


Winnebago Reclamation

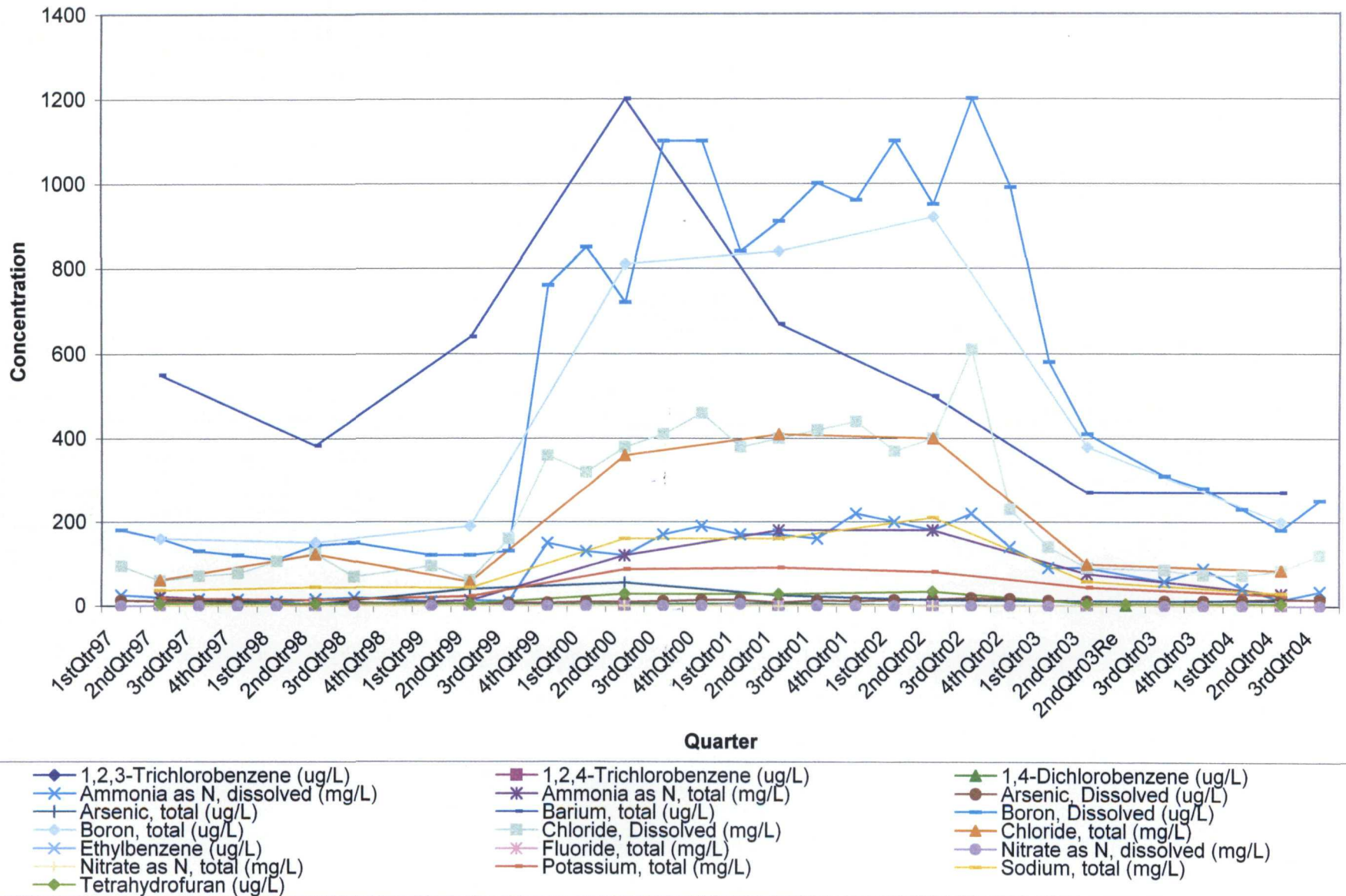
Well G41M



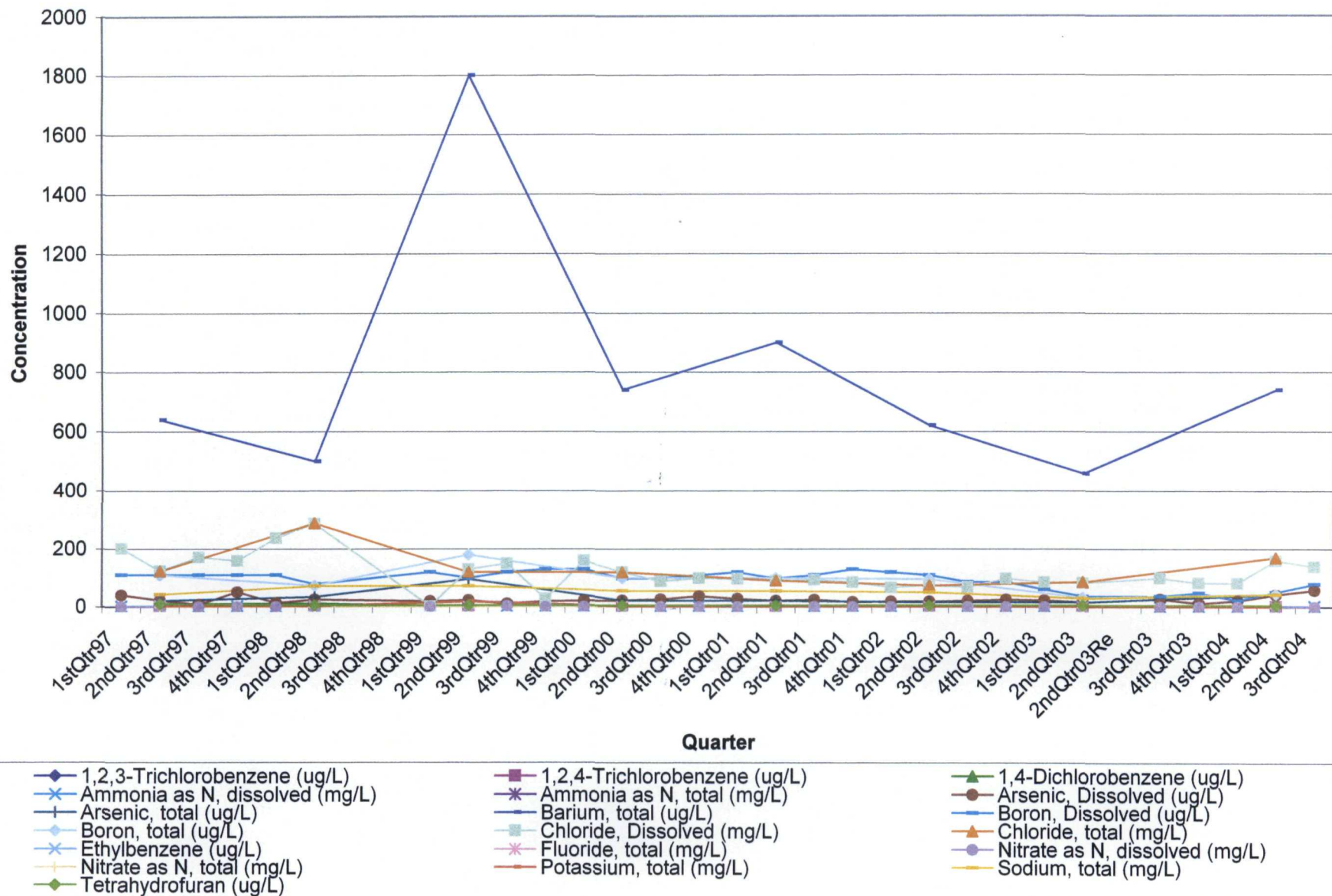
Winnebago Reclamation Well G41S



Winnebago Reclamation Well R03S



Winnebago Reclamation Well R42S



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Appendix F
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